Maritime Heritage Minnesota

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CLEAN WATER LAND & LEGACY AMENDMENT

Log Book 27 of the USS Essex

April 22, 1890 - October 31, 1890

The Day-to-Day Operations of Shipbuilder Donald McKay's Last Ship

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USS *Essex* Log Book 27

Finding Aid

Adams class ship USS *Essex* (IX-10) was designed and constructed by premier North American shipwright Donald McKay. Her keel was laid down in 1874 and she was launched in 1876. She was a three-decked wooden screw steamer sloop-of-war with auxiliary sail (bark-rigged). She was 185 feet long, 35 feet in the beam, had a 14.25-foot draft, and was 1,375 tons. When commissioned, she carried six big guns, all muzzle loaders: one XI-inch and four IX-inch Dahlgren Naval Artillery guns, and one 60-pound Parrott Rifle The ship's armory carried dozens of small arms including rifles, pistols, revolvers, and cutlasses. Further, she carried a six auxiliary boats including a launch, two cutters, a whale boat, one gig, and a dinghy. The combinations of guns and watercraft carried on board USS *Essex* could change from log book to log book. She served with the US Navy in active duty and as a training ship with the Ohio Naval Militia, the Illinois Naval Militia, and the Minnesota Naval Militia. She was intentionally burned on Minnesota Point in Lake Superior at Duluth in 1931. Her Minnesota Archaeological Site Number is 21-SL-1030 and she is a National Register of Historic Places Property.

Maritime Heritage Minnesota digitized the 62 known USS *Essex* log books held at the National Archives in Washington, DC, and at the US Naval Academy in Annapolis in 2010. The log books consist of the daily activities on board the *Essex* as recorded by deck officers on duty. Those deck notes were then transcribed to be the official log of the *Essex* that were sent to the Navy Department in Washington, DC, where they were bound into their current book form. At the beginning of most log books, there are: a title page, two list of officers pages, a crew complement page (listing the crew by rank and job), an armaments page (list of the different large guns, boats, and small arms), and two pages of compass observations. Not all log books contain these pages and some include additional information, including a plan and section of the *Essex* in Log Books 8 and 9 and four pages of directions on how to fill out log pages in Log Book 21. Sometimes two transcribed versions of log pages were sent to the Navy Department and duplicate books were produced. However, sometimes the duplicate books were not bound with exactly the same pages, so some books overlap each other in date. Also, some log book pages have writing too close to its spine edge and after binding, some words and numbers were 'lost' in the spine if the binding remained tight over the decades. Further, it must be kept in mind that the names of ships, both American and foreign, as well as geographical locations usually expressed in different languages will have variations in spelling. With this in mind, the deck officers of the *Essex*, when writing the log pages, may misunderstand what the actual name of a ship or geographical marker actually is and their handwriting may present challenges or be nearly illegible. The digitization and editing of the USS *Essex* log books were made possible with funding provided by the Minnesota Historical and Cultural Heritage Grant

program, part of the Arts and Cultural Heritage Fund of the Clean Water, Land and Legacy Amendment.

Log Book 27 of the USS *Essex*: April 22, 1890-October 31, 1890

The National Archives houses USS *Essex* Log Book 27. Throughout Log Book 27, comments were made on:

- sail adjustments with sail type and action specified
- banking of boiler fires in order to put the ship on stand-by for immediate use
- coupling and uncoupling the propellor when the ship was shifting from steam to sail and *vice-versa*
- when under steam the different watches record the average steam boiler pressure and engine revolutions
- lowering of smokestack and proceeded under sail and *vice-versa* when the *Essex* was underway
- when anchored nearly every watch described the state of the anchor cables: crossed ('cross in hawse, stbd chain on top' or 'Elbow in hawse') and often will mention 'clearing the hawse' (the crossed anchor cables were uncrossed)
- casting deep sea lead for soundings
- swinging the ship to test for compass deviation
- patent log readings
- water distillation using the ship's boilers to produce freshwater and refilling the freshwater tanks
- coaling of the ship
- weather recording: temperature, wind speed and direction, barometer readings, state of the sea
- recording the ship's behavior (heavy rolling or pitching)
- testing flood cocks in magazine and gun rooms
- crew conducting ship maintenance: engine maintenance/repair, general ship cleaning, bilge cleaning and checking pumps, scraping and painting - and sometimes tarring and caulking - the ship's hull and infrastructure, repairing yards and booms, steam/sail launch maintenance/repair, turned and cleaned hammocks and bedding
- crew conducting drills: target practice with the main battery (great guns), boat drills - all hands called to arms and away all boats for naval tactics under sail and oars, general quarters drills, small arms drills, fire drills, single stick drills, torpedo drills, fuze drills, abandon ship drills, man overboard drills, battalion drills, watch signal drills
- receiving fresh water from shore through pumps or lighter
- receiving provisions and stores: food, medical supplies, clothing, engineering gear, construction
- Quarterly Board of Survey's findings of condemned articles on board (food, equipment) and their fate (food was usually tossed overboard) from the inventories of the different ship's departments (Ordnance, Engineering, Navigation, Equipment, Medical, Pay)

- crew promotions
- crew quarters inspection
- liberty parties sent ashore
- crew members are discharged at their own request (DOR)
- lists of new crew members - recruits or transfers from other ships- taken on board during a cruise
- crew transfers to other ships
- crew members in solitary confinement or other punishments for various infractions, AWOL crew, general and summary court martial proceedings, AWOL crew put in irons
- rewards offered for the return of AWOL crewmen
- weekly Sunday services; after the services, once a month, the Articles for Better Government of the Navy were read to the crew

NOTE: The *Essex* deck officers who recorded the daily happenings on the ship often translated the names of non-American ships incorrectly. MHM determined the correct spellings of the ships and those corrections are reflected in the Finding Aid, not the poorly transliterated ship names.

At the beginning of Log Book 27, in mid-April 1890, the USS *Essex* was anchored at the Brooklyn Navy Yard under Commander A. S. Snow. USS *Essex* was assigned to the US South Atlantic Station. On April 22, *Essex* was put into commission. The crew on boar were marched back to the US Receiving Ship *Vermont* and a special watch of seaman was established in the forecastle for the night. The next day, and throughout the out-fitting of the ship, Navy Yard workmen were on board. During the last five days of April, the fresh water tanks - two on the port side and two on starboard - were filled from a hydrant and the ship was pumped out. Twenty crewmen from *Vermont* worked on *Essex*, but spent the night on the receiving ship. *Essex* was coaled, crewmen were transferred from *Vermont* to *Essex*, and 20 apprentices and a bugler were received from frigate USS *Minnesota*. The Marine Guard of two sergeants, two corporals, two musicians, and 20 privates was assigned from the Marine barracks. Stores and equipment were stowed on board the ship. The Engineering Gang began filling boilers but they had to stop the procedure on account of a leaky valve. The gunboat USS *Yantic* arrived at the Navy Yard, the boilers completed filling, stores were stowed, a liberty party went ashore, and a visiting party was sent to *Yantic*.

For most of May, *Essex* accepted provisions and equipment for various departments, had ‘dock trials’ - including running the engine at the dock - and had Navy Yard workmen on board. The coastal survey steam and sail schooner USC&GS *George S. Blake* anchored, the tugboat USS *Fortune* and torpedo boat USS *Cushing* left the Yard, and *Essex* received her sails and chronometers on board. The ship’s divisions drilled at single sticks and small arms and maritime signals were exchanged with USRS *Vermont*. The draft of the ship was recorded before and after coaling to ensure an ease of passage out of the East River, and the magazine and shell room flood cocks were tested. The crew mustered, formed into battalions, trained in furling and unfurling sails, and at clearing the ship for action. Tug USS *Fortune* returned to the Yard and pulled

alongside the coal dock and brushed against *Essex* - no damage to either vessel was recorded. Mid-month, USC&GS *George S. Blake* left the Yard, and *Essex* sent one of a dinghy to rescue a sail boat that had capsized. The crew hauled three people out of the water, one of whom was in imminent danger of drowning. Frigate USTS *Minnesota* entered the Yard and moored to the Ordnance dock, USS *Fortune* left the harbor, and USRS *Vermont* fired an 11-gun salute. Four crewmen were declared deserters after 10 days AWOL. The crew tested the steam launch, the bilges were cleaned, and a large number of officers and men went ashore for Decoration Day parade and drill practice. It was found that a revolver was missing after the drills. Later in May, more men were received men from USRS *Vermont*, and the crew continued fire quarters and abandon ship drills.

On May 27, USS *Essex* unmoored and steamed down the East River, passing under Brooklyn Bridge, and came to anchor in Upper New York Bay - bearings were taken off the Quarantine Station flagstaff & Fort Lafayette. As a rule, when *Essex* came to anchor, soundings were taken fore, amidships, and aft. The ship exchanged signals with steam sloop USS *Pensacola* at anchor off Staten Island. The next day, using a lighter, an *Essex* work force went to Fort Hadesworth for ammunition, and gunboat USS *Yantic* and USS *Pensacola* passed by. The ship once again up anchored and went up the North River (southern part of the Hudson River); she passed *Pensacola* and sloop-of-war USS *Jamestown* along the way. *Essex* anchored and took bearings taken off the Statue of Liberty and the south spire of the Catholic Cathedral. Commander Snow visited *Pensacola* and then *Essex* shifted berth. In the process, the starboard anchor fouled on three telegraph cables - two of them broke while clearing anchor. She came to anchor off 59th Street. On May 29, *Essex* exchanged maritime signals with *Pensacola* and *Yantic* passed and anchored off 125th Street. The ship shifted her anchorage once again and anchored off 125th Street at Riverside Park near *Yantic* and *Jamestown*; Commander Snow paid an official visit to *Yantic* and *Jamestown*. On May 30, the ship's officers and two companies of bluejackets and one company of Marines left *Essex* on the Navy Yard tug USS *Catalpa* to take part in Decoration Day parades in Brooklyn; *Pensacola*, *Yantic*, and *Essex* fired salutes every five minutes. After the festivities, *Essex* shifted her berth downriver and anchored, taking bearings off the Statue of Liberty and the flagstaff on Ellis Island. The next day, the crew was busy with small boat drills.

For the first few days of June 1890, the crew was inspected for vaccination marks and the unvaccinated men received shots. The men exercised at: clearing for action, general quarters, fire drills, man overboard, there were battalion drills by company and by divisions, and 'call to arms and away all boats' drills were timed and recorded all the ship's various boats. During the drills, one cutlass was lost overboard from the sailing launch and the steam launch was fitted out as a spar torpedo boat. The crew were drilled in Divisions with great guns, small arms, single sticks, and fuzes. Ordinary seaman Daniel Foley fell overboard on June 4. Crewmen dropped a life buoy and sent the life boat and steam cutter to pick him up. Two men jumped overboard and succeeded in bringing him to the life buoy and the steam launch. There was some danger since the tide was running a strong ebb at the time. Seaman Foley was placed

under a sentry and charged for being drunk on duty. The ship's tanks and boilers' were filled from a water lighter and the bilges were pumped out. On June 5, Essex got underway up the North River, anchored, and exchanged signals with USS *Jamestown*. Sloop-of-war USTS *Portsmouth* came upriver under tow of tug *Catalpa*, and her Commanding Officer visited *Essex*.

Over the next seven days, two crewmen were transferred to the Navy Hospital in Brooklyn via the Navy Yard tug. Inspections at quarters included the ship's officers in 'special full dress'. Also, Baltimore Police police returned an *Essex* deserter who was arrested in Washington DC. A reward was paid with an additional amount of money for expenses. The deserter was placed in confinement to await further action. More crew training comments with the steam launch crew instructed in torpedo connections and the cockswains and quarter masters instructed in signals. The schooner yacht USC&GS *Eagre* stood upriver, USS *Jamestown* went downriver in tow of Navy Yard tug USS *Nina*, and *Essex e*xchanged signals with USTS *Portsmouth*. On June 12, the North Atlantic Squadron - protected cruiser Flagship USS *Baltimore*, gunboat USS *Galena*, sloop-of-war USS Kearsarge, and gunboat USS *Dolphin* - came in and anchored above *Essex* in the North River. *Essex* exchanged signals with *Baltimore*; *Portsmouth*, and *Baltimore* exchanged salutes. Pleasantries were exchanged between *Essex*, *Baltimore*, *Galena*, *Portsmouth*, and *Kearsarge*.

In mid-June, Commander Snow loaded *Essex* boilermaker Anderson to *Galena* to work on her boilers. Maritime signals between the ship and *Baltimore* concerned infantry and artillery capabilities and on June 15, *Essex* hoisted the guard flag and sent a guard boat to Flagship USS *Baltimore*. Commander Snow reported to the Commander-in-Chief of the North Atlantic Squadron Rear Admiral Bancroft Gherardi; *Essex* was given a temporary assignment with the North Atlantic Squadron. The next day, *Essex* lowered the guard flag since *Galena's* boilers were back in shape, and she relieved *Essex*. *Baltimore* and *Kearsarge* steam down river, while *Essex* received two boxes of charts, one box of nautical books, and one box of medical stores from the Brooklyn Navy Yard.

On June 17, a shore boat carrying four men capsized astern of *Essex*; the crew lowered a lifeboat and rescued one man while the other three men were rescued by a shore gig. For the next week, the Navy tug delivered more stores, gunboat USS *Yorktown* anchored between *Essex* and gunboat USS *Petrel*, more men arrived from USRS *Vermont* and the Marine barracks. Commander Snow exchanged courtesies and maritime signals with *Yorktown*. At a crew muster, Commander Snow read a commendation letter from the Secretary of the Navy commending the gallant conduct of C.D. Cleary and C. Gregory for jumping overboard to rescue Daniel Foley from drowning in early June. An *Essex* ensign was sent for temporary duty on board the newly constructed and commissioned dynamite gun cruiser USS *Vesuvius* via the Navy Yard. *Essex* was secured for sea travel, proceeded underway, and anchored off Tompkinsville, Staten Island, near USS *Baltimore*. Commander Snow met with Admiral Gherardi and the ship received a crewman from the US Quarantine Ship *Franklin*; *Essex* up anchored, left New York Harbor on June 23. *Essex* was set to participate in the time trials of the new protected cruiser USS *Philadelphia*; she arrived at Block

Island, Rhode Island - along with USS *Vesuvius* and USS *Dolphin* - a day early. That day, *Philadelphia* came out and seemingly took a trial run on the prescribed course. The ships came out the next day and waited for the time trial to begin, when USS *Dolphin* pulled alongside *Essex* and told the crew that the trial had happened yesterday.

Essex then moved to the northeast, to Vineyard Sound, along with USS *Petrel* and USS *Dolphin*. *Essex* sighted USS *Baltimore* and USS *Kearsarge* and informed *Dolphin* and *Petrel* that the other ships were on the way. When the Engineering Gang was preparing to get underway, the flange on the reversing gear fractured and disabled the engine. After exchanging signals and while the Engineers began to fix the engine, the other four ships got underway toward Portland, Maine. In the meantime, deserters effects were sold at auction and in the late afternoon, *Essex* got underway. On June 30, the ship anchored in Portland Harbor near Flagship USS *Baltimore*, USS *Dolphin*, USS *Kearsarge*, and USS *Petrel*, exchanging signals with the Flagship.

In early July 1890, *Essex* was anchored off Fort Preble, Maine, on temporary duty with the North Atlantic Squadron; she joined Flagship USS *Baltimore* and the fort in firing a salute to RearAdmiral Gherardi. On July 2, a Board of Engineers came on board the ship to survey the damaged reversing gear. The crew kept painted, drilled, cleaned the hammocks, and scrubbed the copper. The guard flag was hoisted on *Essex* and Commander Snow sent boats with the Naval Brigade to land at Fort Preble. During the Independence Day celebrations, *Essex* was dressed in rainbow colors, companies were sent ashore to participate in a parade, and the Flagship fired a 17-gun salute. Commander Snow took five days leave of absence and four cadet midshipman caught a ride to the Nay Yard on *Essex*. On July 8, the ship left Fort Preble after Commander Snow returned on board, headed for New York. *Essex* went up New York Harbor and into the North River. On July 11, *Essex* up anchored and traveled around the Battery and up the East River and moored at the Brooklyn Navy Yard Cob Dock (Ordnance Dock); Commander Snow visited the Commandant of the Navy Yard. For the rest of July, USS *Essex* remained at busy the Navy Yard. She exchanged crewmen with USS *Galena* and USRS *Vermont*, re-provisioned, and conducted maintenance (capstan, steam cutter, and engine). Also, the crew moved the great guns to the port side in order to cause the ship to list in order to paint the bottom copper sheathing with red chalk. On July 23, Commander Snow left for a week's leave and USS *Galena* went out of commission at noon. For the next week, torpedo boat USS *Cushing* arrived (and left later), steam sloop USS *Pensacola* left drydock, Navy Yard tug USS *Fortune* left the port, and dispatch ship USS *Despatch* left for New London, CT, with the Secretary of the Navy Benjamin F. Tracy on board. *Essex* transferred two Courts Martial prisoners to the Boston Navy Yard, exchanged signals with USRS *Vermon*t, and sloop-of-war USS *Kearsarge* moored at the Navy Yard.

For the the first 12 days of August 1890, the *Essex* crew cleaned the bilges, listed the ship to starboard to access and paint the copper sheathing on the port side hull, painted the white stripe along water line, and filled the ship's water tanks and boilers from a hydrant. Crewmen were crewmen transferred to *Essex* from USRS *Vermont* and the Navy Yard Marine barracks, and the Marine Guard on the ship's gangway deserted.

USS *Pensacola* hoisted the Rear Admiral's pennant and fired a 13-gun salute that was returned by a 13-gun salute on the Cob Dock; Commander Snow and other officers made an official call on Rear Admiral William P. McCann. Protected cruiser USS *Boston* passed going up the East River flying President Benjamin Harrison's flag. *Essex's* sailors 'manned the yards' with the other vessels in the Navy Yard and paraded the Marine Guard. While still in the Navy Yard, *Yorktown* left the drydock, USS *Kearsarge* was towed out and hauled ahead of the *Vermont*, USS *Boston* anchored next to *Vermont*, and USS *Philadelphia* entered the harbor. On August 13, Navy Yard tug *Catalpa* towed *Essex* out of the Yard and steamed down the East River into Upper New York Bay. *Essex* anchored off Tompkinsville, Staten Island, received a crewman from sloop-of-war USS *Enterprise* - one of *Essex's* sister ships. On August 16, she got underway bound for the South Atlantic Station.

Along the way, a four degree rise in water temperature was noted on August 18 and the crew sighted a waterspout. *Essex* passed two barques heading west, exchanged colors with a Norwegian bark that passed close astern heading northbound, sighted a southbound steamer, passed a schooner heading west, and sighted five other sails. Later in the month, the crew sighted another three water spouts. The Engineering Gang stopped the engine for an hour to clear the seat of the water valve of the high pressure cylinder and the Navigator ordered the swinging of the ship to check for compass accuracy and calibration. While sailing, the helm missed a tack and took 30 minutes to wore the ship onto a port tack. The wheel ropes were found to be badly chaffed - the crew hooked a relieving tackle to the helm and shifted the wheel ropes; the worn ropes were later replaced.

During early September 1890, *Essex* continued sailing - sometime steaming - across the North Atlantic Ocean with 'uneasy' and 'easy' seas - and the ship rolled 20 degrees at times. On September 10, the ship came to anchor in Porto Grande, St. Vincent Island in the Cape Verde Islands off the coast of Senegal. Courtesies were exchanged with the Portuguese gunboat *Rio Ave* and the US Consul and the English steamer *Orbo* left the port. A steamer lying ahead cast adrift a large empty coal lighter that passed close to *Essex's* port gangway. Shortly thereafter, a second lighter was cast adrift and came close to the ship's starboard side, nearly hitting the steam cutter secured there. The American schooner *Annie L. Palmer** anchored, the Governor of Cape Verde, General Brandao de Mello, paid *Essex* an official visit, and the Italian steel gunboat *Andrea Provana* anchored. The crew scrubbed the hammocks and conducted small arms target practice. On September 16, *Essex* left St. Vincent Harbor headed across the North Atlantic Ocean for Bahia, Brazil. Along the way, she exchanged colors with a German bark, the patent log propellor was cleared when it was fouled by rope yarn, and the crew practiced adjusting sails and doing drills.

In early October 1890, as the ship was nearing Brazil heading southwest, the *Essex* crew oiled the copper on sailing launch and a hermaphrodite brig was sighted. On October 2, the ship anchored in Bahia, Brazil, off the quarantine station and then shifted her berth and anchored off the Customs House. During the first three weeks of October, *Essex* exchanged courtesies with HMS *Flamingo,* Brazilian sidewheel gunboat

Braconnot, the US Consul, gunboat HMS *Bramble*, HMS *Flamingo*, the Governor of Bahia, Italian steel gunboat *Andrea Provana*, and the Spanish unprotected cruiser *Infanta Isabel*. Other vessels in and out of the harbor include the French mail steamer *La Plata*, Brazillian sidewheel gunboat *Manaos*, and the RMS (Royal Mail Steamer) *Thames*. The *Essex* crew fitted the steam launch for torpedo practice and conducted drills from her; they also practiced small boat drills and abandoned ship drills. The officers also exercised the divisions at target practice with small arms. On October 21, steam sloop Flagship USS *Pensacola* anchored in the harbor and exchanged pleasantries with *Essex*. Gunboat HMS *Flamingo* left harbor and when the US Consul left Flagship *Pensacola*, she fired a 7-gun salute in his honor. Two days later, Commander-in-Chief of the South Atlantic Squadron Rear Admiral William P. McCann and his staff visited *Essex*, along with the German and US Consuls. The crew scraped and painted the cutters and exchanged signals with the Flagship. On October 25, the Governor of Bahia once again visited the ship and *Essex* fired a 17-gun salute in his honor. The next day, the Brazilian corvette *Guanabara* and battleship *Aquidaban* anchored in the harbor; *Pensacola* fired a 13-gun salute and the Spanish unprotected cruiser *Infanta Isabel* went to sea. On October 27, USS *Essex* left Bahia in the company of Flagship USS *Pensacola* for the remainder of the month. During the last few days of October, the jib boom was carried away and the rudder chains jammed; repairs were made by the crew.

*The schooner *Annie L Palmer* is incorrectly called the *Annie Chaplain* on the same day. There may be two American schooners on St. Vincent, but it is doubtful, and the existence of *Annie L. Palmer* is confirmed.

Tags:
American Ships: schooner *Annie L. Palmer*, protected cruiser Flagship USS *Baltimore*, protected cruiser USS *Boston*, Navy Yard tug USS *Catalpa*, torpedo boat USS *Cushing*, dispatch boat USS *Despatch*, gunboat USS *Dolphin*, sloop-of-war USS *Enterprise*, sloop-of-war USS *Essex*, tugboat USS *Fortune*, US Quarantine Ship *Franklin*, gunboat USS *Galena*, steam and sail schooner USC&GS *George S. Blake*, sloop-of-war USS *Jamestown*, sloop-of-war USS *Kearsarge*, frigate US Training Ship *Minnesota*, Navy Yard tug USS *Nina*, steam sloop Flagship USS *Pensacola*, gunboat USS *Petrel*, protected cruiser USS *Philadelphia,* sloop-of-war USTS *Portsmouth*, US Receiving Ship *Vermont*, dynamite gun cruiser USS *Vesuvius*, gunboat USS *Yantic*, gunboat USS *Yorktown*

Brazilian Ships: sidewheel gunboat *Braconnot*, battleship *Aquidaban*, corvette *Guanabara*, sidewheel gunboat *Manaos*

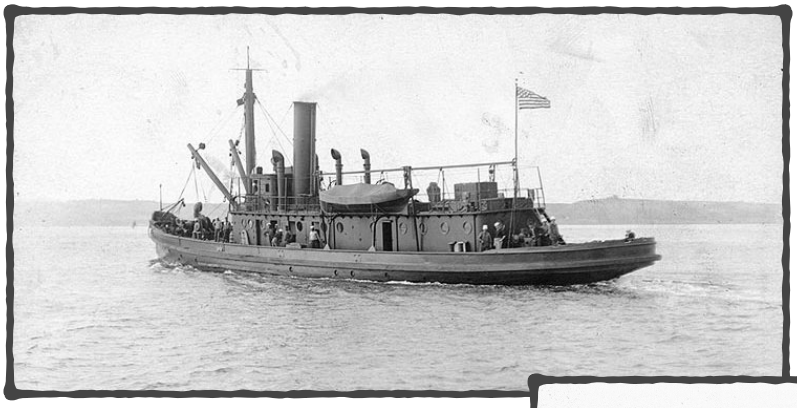
British Ships: gunboat HMS *Bramble*, gunboat HMS *Flamingo*, steamer *Orbo*, mail steamer RMS *Thames*

French Ship: mail steamer *La Plata*

Italian Ship: steel gunboat *Andrea Provana*

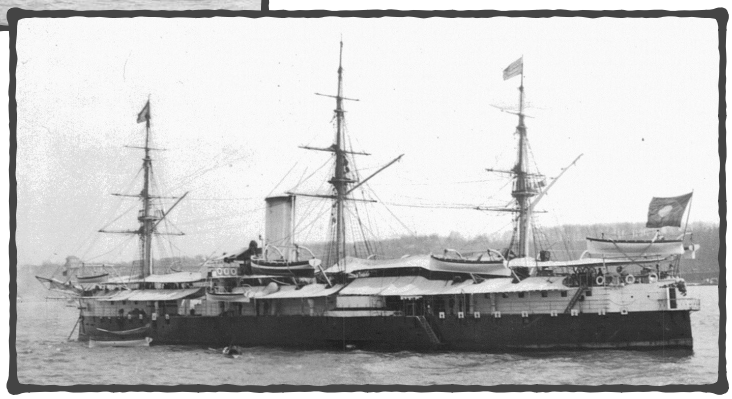
Portuguese Ship: gunboat *Rio Ave*

Spanish Ship: unprotected cruiser *Infanta Isabel*



USS *Fortune*

Aquidaban



LIST OF OFFICERS

Attached to and on board of the U. S. S *Essex* 3d Rate, commanded by *Comdr A. S. Snow*, U. S. N., during the period covered by this Log-Book, from *April 22nd*, 18*90*, to *October 31st* inc^l, 18*90*.

NAME.	RANK.	NAME.	RANK.
A. S. Snow	Comdr U.S.N.		
W. B. Bleecker	Lieut U.S.N.		
C. F. Curtis	Lieut U.S.N.		
J. T. W. Tolman	Lieut U.S.N.		
J. T. Newton	Lieut U.S.N.		
J. H. Fetherington	Ensign U.S.N.		
W. R. M. Field	Ensign U.S.N.	Reported for duty April 22nd 1890.	
C. M. Stone	Ensign U.S.N.		
F. A. Wilcox	Lieut U.S.N.		
J. S. Ross	Chf Engr U.S.N.		
W. W. Barry	Paymaster U.S.N.		
N. M. Freebee	Surgeon U.S.N.		
H. C. Fisher	1st Lieut U.S.M.C.		
J. F. Barry	Pay Clerk U.S.N.	Reported for duty April 25th 1890.	
W. W. Dean	Pay Clerk U.S.N.	Reported for duty June 4th 1890.	
H. C. Haines	1st Lieut U.S.M.C.	Reported for duty Aug 1st 1890.	
O. W. Koester	Asst Engr U.S.N.	Reported for duty Aug 4th 1890.	

Examined and found to be correct.

Navigator.

LIST OF OFFICERS

Who have died, been detached, or transferred, on board the U. S. S "Essex" 3d Rate commanded by Comdr. A. S. Snow, U. S. N., during the period covered by this Log-Book, from April 22nd, 1890, to October 31st, 1890.

NAME.	RANK.	TIME OF OCCURRENCE AND PARTICULARS.
J. H. Barry	Pay Clerk U.S.N.	June 3d 1890. resigned.
F. C. Fisher	1st Lieut. U.S.N.	August 1st 1890. detached.
J. H. Hetherington	Ensign U.S.N.	August 15th 1890 detached.

Examined and found to be correct.

Navigator.

COMPLEMENT of Petty Officers, Seamen, Ordinary Seamen, Landsmen, Boys, and Marines on board of the U. S. S Essex 3d Rate at first commissioning April 22nd 1890. At Navy Yard, New York.

NUMBER ALLOWED.	RATES.	NUMBER ON BOARD.
1	Chief Boatswain's Mate,	1
2	Boatswain's Mate,	2
—	Seamen Gunners,	—
1	Chief Gunner's Mate,	1
—	Gunner's Mates,	—
1	Chief Quartermaster,	1
3	Quartermasters,	3
6	Coxswains,	6
2	Captains of Forecastle,	2
4	Captains of Tops,	4
2	Captains of Afterguard,	2
3	Quarter-Gunners,	3
1	Carpenter's Mates,	1
1	Sailmaker's Mates,	1
1	Armorer,	1
1	Captains of Hold,	1
1	Ship's Cook,	1
1	Ship's Corporals,	1
1	Lamp-lighter,	1
2	Carpenters and Calkers,	2
1	Baymen,	1
1	Master-at-Arms,	1
1	Apothecary,	1
1	Ship's Yeoman,	1
1	Paymaster's Yeoman,	1
1	Engineer's Yeoman,	1
—	Schoolmaster,	—
1	Ship's Writer,	1
—	Ship's Tailor,	—
1	Ship's Barber,	1
1	Painter,	1
1	Bugler,	1
1	Jack of the Dust,	1
1	Blacksmith,	1
	Marine Guard	
1	Orderly Sergeant-	1
1	Sergeant-	1
2	Corporals-	2
2	Musicians-	2
20	Privates-	20
	Total 26	

NUMBER ALLOWED.	RATES.	NUMBER ON BOARD.
1	Cabin Steward,	1
1	Cabin Cook,	1
1	Ward-room Steward,	1
1	Ward-room Cook,	1
1	Steerage Stewards,	1
1	Steerage Cooks,	1
—	Warrant Officer's Steward,	—
—	Warrant Officer's Cook,	—
12	Seamen,	12
12	Ordinary Seamen,	12
14	Landsmen,	12
—	Boys,	—
20	Apprentices,	20
3	Machinists,	3
1	Boiler Makers,	1
3	Water Tenders,	3
3	Oilers,	3
1	First-class Firemen,	1
6	Second-class Firemen,	6
12	Coal Heavers,	12
	Total, 139	137
	Marine Guard " 26	26
	Grand total 165	Grand total 163

ADDITIONAL FOR FLAGSHIP.

Master of the Band,		
Chief Musician,		
First-class Musicians,		
Second-class Musicians,		
Printer,		
Steward to Commander-in-chief,		
Cook to	do.	
Coxswain to	do.	
Seamen to	do.	
Ordinary Seamen to	do.	
Landsmen to	do.	

Examined and found to be correct.

H. H. Lewis
Lieut., Navigator.

U. S. S

Description of Instruments used for Meteorological Observations, their Location, &c.

INSTRUMENT.	MAKER.	NUMBER.	LOCATION.	DATE OF LAST COMPARISON.	COMPARED WITH—	ERROR.
MERCURIAL BAROMETER.	H. J. Green	3298	Cabin	May 1890	Standard Navy Yard New York	-.02
ANEROID BAROMETER.						
THERMOMETER, (Dry Bulb.)						
THERMOMETER, (Wet Bulb.) (Psychrometer.)	H. J. Green	5403				

Examined and found to be correct.

G. K. Lewis
Lieut., Navigator.

ARMAMENT

Of the U. S. S. Essex. 3d. Rate

PRIMARY.

NO. OF GUNS.	CAL.	MARK.	DESCRIPTION.	CARTRIDGE.		PROJECTILES.		CARRIAGES.	REMARKS.
				POWDER.	WEIGHT.	KIND.	WEIGHT.		
1	8" M.L.R.	W.P.F. 1877 J.H. T.M.R.	Converted	Dupont	32 3/4	Shell	180 lbs 156	Pivot	
			"	Sphero	30½ 30	Canister	168.6		
1	60 Pdr. B.L.R.	R.P.P. 1864 R.B.H.	Converted	Schuyler Cartridge Rifle	5	Shrapnel Shell	55 56	D. Bow	
4	IX in	F.P. 1864 J.M.B.	S.B.	Dupont Cannon	10 and 13	Shell Shell Shrapnel Grape	90 73.5 75 74.1	Broadside	

SECONDARY.

1	3" B.L.R.	N.Y.W. 1878 H.L.H.	Steel	Dupont Cannon	3/4	Shell Shrapnel	7	Boat & Field
1	12 Pdr. Light	N.Y.W. 1870 F.M.R.	Bronze	Dupont Cannon	.625	Shell Shrapnel Canister	12 12 7.75	Boat & Field
1	Gatling	Colts 45 cal. Long 7.A. Co. 1872			70 grs		405 grs	Boat & Field

BOAT ARMAMENT.

Secondary Battery -

SMALL ARMS.

75 Rifles, Hotchkiss #2 model, 65 Revolvers, Colts D.A. Cal. 38
70 Cutlasses, 2 Rifles, Cal. 22 and 22 Battle axes

Examined and found to be correct.

L. K. Curtis
Lieut, Navigator.

TABLES of Deviation of the Standard Compass No. 69 on board the U. S. S Essex. 3d Rate

Date:	July 10th-'90.		Aug. 20th-'90.		Sept. 26th '90.	
Place of Observation:	at-Sea		at-Sea		at-Sea	
Latitude:	N 40°-30'-00"		N 38°-07'-00"		S 2°-21'-22"	
Longitude:	W 73-10-20		W 57-06-26		W 28-27-00	
Observed Variation:	W 8°-32'		W 17-40		W 17-16	
SHIP'S HEAD BY COMPASS.	DEVIATION.	DEVIATION.	DEVIATION.	DEVIATION.	DEVIATION.	DEVIATION.
NORTH.	E 0°-55'		W 0°-12'		E 0°-04'	
N. by E.	1-41				0-32	
N. N. E.	4-36		E 3-16		1-30	
N. E. by N.	4-50				2-25	
N. E.	5-45		6-17		2-21	
N. E. by E.	6-18				2-46	
E. N. E.	6-15		6-30		2-43	
E. by N.	6-12				2-39	
EAST.	6-15		6-20		2-33	
E. by S.	4-55					
E. S. E.	3-36		3-58			
S. E. by E.	2-37					
S. E.	2-49		3-10			
S. E. by S.	1-34					
S. S. E.	W 0-36'		0-52			
S. by E.	1-15					
SOUTH.	1-03		0-15			
S. by W.	1-44					
S. S. W.	3-33		W 1-44			
S. W. by S.	5-17				W 0°-19'	
S. W.	4-40		3-19		0-49	
S. W. by W.	4-30				1-22	
W. S. W.	4-38		4-44		1-55	
W. by S.	5-16				2-29	
WEST.	4-51		5-50		2-33	
W. by N.	5-48				3-05	
W. N. W.	5-52		5-50		3-06	
N. W. by W.	6-14				3-08	
N. W.	4-49				3-14	
N. W. by N.	3-31		3-28		2-48	
N. N. W.	2-07		2-09		2-20	
N. by W.	0-29				1-23	

Examined and found to be correct.

Le. K. Lewis
Lieutenant, Navigator.

LOG of the UNITED STATES Steamer Essex, 3d. Rate,
Navy Yard New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	Air, Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Moored at dock Navy Yard, N.Y.					No instruments on board								
2																	
3																	
4																	
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9																	
10																	
11																	
Noon.																	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″
Latitude by observations of ⊙ ° ′ ″
Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″
Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″
Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.
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Mid.

under the command of Commander A. S. Snow, U. S. Navy,

April 22nd, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Meridian to 4 P.M.

At 2.45 the officers and crew were assembled on the quarter-deck Lieut. Commander A.S. Snow U.S. Navy read the orders of the Navy Department directing him to take command of the Essex, the charge of the ship was turned over to him by the Authorities of the New York Navy Yard, in accordance with these orders and the ship was put in commission; the colors were hoisted and saluted. The following officers reported for duty:- Lieuts., J. V. B. Blecker, C. K. Curtis, G. F. W. Holman, F. A. Wilner. Lieut. Jr. grade J. T. Newton. Ensigns:- J. H. Hethington, W. R. M. Field, E. M. Stone, Chief Eng. D. S. Ross, Paymaster W. W. Barry, Surgeon N. M. Forbes and 1st Lieut. H. C. Fisher U. S. M. C. The crew were watched, stationed & quarted. The following Mechanics were employed aboard: Engineer- 5 Machinists, 1 helper, 2 painters, 2 boiler-makers. Construction- 9 painters 3 joiners, 2 shipwrights. Equipment:- 2 riggers, 2 bellhangers, 2 laborers. Ordnance 2 men.

Geo. F. W. Holman
Lieut.

4 o'clock to 8 P.M.

Cloudy & Mild. Moderate Southeasterly breeze. at 4.30 the crew were marched back to the Receiving Ship, excepting the quartermaster on watch. Established a special watch of Seamen on the forecastle for the night

Geo. F. W. Holman.
Lieut. USN.

8 P.M. to Midnight

Fair & mild. Gentle breeze from S.E.

Geo. F. W. Holman
Lieut. USN.

Examined and found to be correct.

C. K. Curtis
Lieut. & Navigator.

LOG of the UNITED STATES Steamer Essex, 3 Rate,

Navy Yard, New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Moored at dock													
2				Navy Yard, N.Y.													
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9																	
10																	
11																	
Noon.																	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ′ ″
- Longitude by D. R. ° ′ ″
- Latitude by observations of ⊙ ° ′ ″
- Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Position at 8 P. M.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.
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Mid.

under the command of Commander A. S. Snow, U. S. Navy,

April 23, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced & untill 4 A.M.
Fair and Mild. Gentle breeze from Sd. & Wst.

Geo. F. Holcomb
Lieut. U. S. N.

4 o'clock to 8 A.M.
Clear & pleasant. Gentle breeze from Sd.

Geo. F. Holcomb
Lieut. U.S.N.

8 A.M. to Meridian Overcast - Light airs from S.E.
The following workmen came on board. Equipment 4. Steam Engineering 8. Construction 10.

J. T. Newton
Lieut. U. S. N.

Meridian to 4 P.M. Overcast & pleasant.

The Commanding Officer received his commission as Commander U.S.N. dated February 25th 1890. The following men from the yard were engaged at work; Construction 10, Steam - Engineering 12. Receiving on board stores in Equipment Department.

J. T. Newton
Lieut U. S. N.

4 to 8 P.M. Overcast. Crew returned to Receiving Ship at 4.30 P.M.

J. T. Newton
Lieut U.S.N

8 P.M. to Mid. Overcast with light rain about 10. P.M.

F. H. Wilcox
Lieut. U.S.N

Examined and found to be correct.

W. K. Lewis
Lieut-C Navigator.

LOG of the UNITED STATES Steamer Essex , 3 Rate,

Navy Yard New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Moored at dock Navy Yard, N. Y.													
2																	
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10																	
11																	
Noon.																	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.					
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Mid.					

under the command of Commander A. S. Snow, U. S. Navy,

April 24th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences untill 4 A.M.
Overcast. Light airs from Nd. & Wd.
F. Harris
Lieut

4 to 8 A.M.
Overcast. Light breeze from Nd. & Wd.
F. Harris
Lieut

8 A.M. to Meridian
Cloudy & foggy. Light airs from Southard.
Crew came on board at 9.15. Received on board stores in Construction & Equipment departments. Yard painters at work also men leading electric wires. 2 joiners 1 carpenter 6 painters 2 boys 2 plumbers 5 machinists 1 helper 4 boilermakers at work on ship.
J. H. Hetherington
Ensign

Meridian to 4 P.M.
Overcast & rainy. Light: Southerly airs.
Receiving on board stores in Equipment department. Men from yard at work on ship same as in forenoon watch.
J. H. Hetherington
Ensign

4 to 8 P.M.
Overcast & rainy. Foggy at times. Light to strong wind from Nd. & Ed. at end of watch.
J. T. Newton
Lieut

8 P.M. to Mid.
Overcast, raining steadily. Light to strong wind from Nd. & Ed.
J. T. Newton
Lieut

Examined and found to be correct.

H. K. Lewis
Lieut-V Navigator.

LOG of the UNITED STATES Steamer Essex , 3 Rate,

Navy Yard New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Moored at dock													
2				Navy Yard N. Y													
3																	
4																	
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11																	
Noon.																	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.
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Mid.

under the command of Commander A. S. Snow, U. S. Navy,

April 25th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences to 4. A. M.

Overcast & rainy. Light to strong wind from Nd. & Ed.

J. T. Newton
Lieut.

4 to 8 A. M.

Overcast & rainy. Light to strong wind from Nd. & Ed. At 8 o'clock the following workmen from the yard came on board: from Construction, 2 joiners, 1 carpenter, 6 painters, 2 boys, 2 plumbers: from Steam-Engineering 5 machinists, 1 helper, 2 painters, 4 boiler-makers.

J. T. Newton
Lieut.

8 A. M to Meridian.

Overcast & rainy. The following mechanics at work on board. Construction, 2 joiners, 1 carpenter, 6 painters, 2 boys, 2 plumbers. Steam Engineering: 5 machinists, 1 helper, 2 painters 4 boiler-makers. Got out an oil tank from below to clean it. Pay-master's clerk: Jas. H. Barry, Paymaster's Clerk reported aboard.

Geo. F. W. Holman
Lieut.

Meridian to 4 P. M.

Cloudy & cool with occasional rain. Frank. A. Taylor was appointed Paymaster's Yeoman. Received on board fresh water from the hydrant, filling the tanks in the fore-hold. The meter recorded 220 Cu. ft = 165-0 gallons for the two port tanks. and 210 Cu. ft. = 157-5 gallons for the two starboard tanks. Receiving on board stores in the Equipment department. Pumped the ship out. A working party of 20 men, Essex's crew came on board from the Vermont at 1, 0' clock and went back at four.

Geo. F. W. Holman
Lieut.

4 to 8 P. M.

Partly clear & cloudy & cold. Light Estly airs.

J. H. Hetherington
Ensign

8 P. M to Mid.

Cloudy & cold. Easterly winds.

J. H. Hetherington
Ensign

Examined and found to be correct.

Le. K. Lewis
Lieut. U. S. Navigator.

LOG of the UNITED STATES Steamer Essex , 3 Rate,

Navy Yard New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				moored at dock													
2				Navy Yard N.Y.													
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11																	
Noon.																	

No invoices must on board

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ′ ″
- Longitude by D. R. ° ′ ″
- Latitude by observations of ⊙ ° ′ ″
- Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Position at 8 P. M.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.																	
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Mid.																	

under the command of Commander. A. S. Snow. , U. S. Navy,
April. 26th , 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences to 4 A. M.
Cloudy & cold. Easterly winds
J. H. Huntington
Ensign

4 to 8 A. M.
Cloudy & cold. Easterly winds
J. H. Huntington
Ensign

8 A. M. to Meridian.
Overcast & cloudy with occasional spits of light rain. Mustered crew at quarters at 9.30. Crew engaged receiving stores & rerving off gear & making preparations to coal ship. At 8 A. M. workmen came on board from Construction & Steam-engineering depts.
F. H. Brown
Lieut.

Meridian to 4 P. M.
Cloudy & rainy. Moderate breeze from Sd. & Ed. Received 20 tons of coal. Echo returned to receiving ship at 3.30 P.M. Colin McLarty was appointed apothecary from this date.
F. H. Brown
Lieut.

4 to 8 P. M.
Overcast & rainy. Mod. breeze from Sd. & Ed.
F. H. Brown
Lieut.

8 P. M. to Mid.
Cloudy & rainy. Mod. breeze from Sd. & Ed.
F. H. Brown
Lieut.

Examined and found to be correct.

Le. K. Lewis
Lieut. U. S. N. Navigator.

LOG of the UNITED STATES Steamer Essex, 3 Rate,

Navy Yard New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	Air, Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Moored at dock					No instru-								
2				Navy Yard NY					ments on								
3									board								
4																	
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6																	
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8																	
9																	
10																	
11																	
Noon.																	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ′ ″
- Longitude by D. R. ° ′ ″
- Latitude by observations of ⊙ ° ′ ″
- Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Position at 8 P. M.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.																	
1																	
2																	
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10																	
11																	
Mid.																	

under the command of Commander. A. S. Snow. , U. S. Navy,

April 27th , 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences untill 4 A. M.
Overcast, rainy, cloudy & foggy. Light breeze from Sd. & Ed. shifting to Nd. & Ed.

F. Harris
Lieut.

4 to 8 A. M.
Cloudy & rainy. Light breeze from. Nd. & Ed.

F. Harris
Lieut.

8 A. M. to Merid.
Cloudy & foggy with light drizzle.
Light breeze from. Nd. & Ed.

F. Harris
Lieut

Merid. to 4 P. M.
Cloudy & foggy. Light breeze from Nd. & Ed.

F. Harris,
Lieut

4 to 8 P. M.
Cloudy & foggy Light breeze from. Nd. & Ed.

F. Harris,
Lieut

8 P. M. to Mid.
Cloudy & rainy. Light breeze from, Nd. & Ed.

F. Harris
Lieut.

Examined and found to be correct.

le. K. Lewis
Lieut.-V

Navigator.

LOG of the UNITED STATES Steamer Essex, 3 Rate,

Navy Yard New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Moored at dock					No instru-								
2				Navy Yard N Y					ments on								
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9																	
10																	
11																	
Noon.																	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ′ ″
- Longitude by D. R. ° ′ ″
- Latitude by observations of ⊙ ° ′ ″
- Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Position at 8 P. M.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.
1
2
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4
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11
Mid.

under the command of Commander A. S. Snow., U. S. Navy,
April. 28th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences untill 4. A. M.
Cloudy, clearing. Light breeze from Nd. & Ed.
J. A. Williams
Ensign.

4 to 8 A. M.
Clear & cool. Mod. breeze from Nd. & Ed.
J. A. Williams
Ensign

8 A. M to Merid.
Clear & cool. Mod. Northerly breeze. Receiving stores from Equipment department and preparing ship for the crew.
J. A. Sturtevant
Ensign

Merid. to 4. P. M.
Partly clear & cloudy. Mod. Northerly breeze. At two o'clock the crew came on board from the receiving ship Vermont with their bags, hammock & accounts. Also received on board from Marine Barracks the Marine Guard of 2 sergeants, 2 corporals, 2 musicians and 20 privates. Also received from the U. S. S. Minnesota 20 apprentices and one bugler all with accounts, bags & hammocks. Berthed & messed the crew & commenced regular routine. Receiving on board stores in Equipment department. also medical stores & hospital outfit.
J. A. Sturtevant
Ensign

4 to 8 P. M.
Clear & pleasant. Light breeze from Nd. & Wd.
At 6 mustered at quarters. Receiving on board stores in Equipment & Paymasters Depts.
J. T. Newton
Lieut.

8 P. M to Mid.
Clear & calm, bright moonlight.
J. A. Sturtevant
Ensign

Examined and found to be correct.

L. K. Lewis
Lieut. U. S. Navigator.

LOG of the UNITED STATES Steamer 'Essex' , 3d Rate,

Navy Yard New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Moored at dock					Instru-								
2				Navy Yard, N.Y.					ments on								
3									board								
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10																	
11																	
Noon.																	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ′ ″
- Longitude by D. R. ° ′ ″
- Latitude by observations of ⊙ ° ′ ″
- Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Position at 8 P. M.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.																	
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Mid.																	

under the command of Commander A. T. Snow, , U. S. Navy,
April 29th , 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences to 4 A.M.
Clear and pleasant. Bright moonlight till 3. Light airs from Sd.

J. T. Newton
Lieut.

4 to 8 A.M.
Clear & pleasant. Light airs from Wd. & Sd.
Executed morning orders.

D. McAlone,
Ensign, U.S.N.

8 to Merid.
Clear & pleasant. Light South-easterly breezes. All hands engaged getting gear & stores on board & rerving running gear. Receiving on board stores in Construction & Equipment Dept's. 4 Carpenters, 2 joiners, 2 painters & 4 boilermakers at work on ship.

J. H. Hetherington
Ensign

Merid to 4 P.M.
Clear & pleasant. Light to gentle breeze from Sd. All hands engaged in getting stores & rigging on board & rerving running gear. Receiving on board stores from Equipment department. Navy Yard Carpenters at work on board

D. McAlone,
Ensign, U.S.N.

4 to 8 P.M.
Clear, pleasant & cool. Light southerly breezes.

J. H. Hetherington
Ensign

8 P.M to Mid
Clear pleasant & cool. Light southerly breeze. Bright moonlight.

D. McAlone,
Ensign, U.S.N.

Examined and found to be correct.

L. K. Lemmon
Lieut. A Navigator.

under the command of Commander A. S. Snow, U. S. Navy,

May 1st, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mens Ratings

U. S. S. Essex Apr 29th 1890

Name	From	To	Name	From	To
W.C. Hammond	Lds	Yeo	Thos Larsen	Sea	Capt A.G.
Alonzo Jones	Sea	Capt Hold	Thos Gibbons	"	Cox
Frank Wilson	"	Ships Cook	Peter Nagel	"	"
Wm Fellows	Lds	Bayman & Clsew	"	"	Capt of Top
Leon W Waters	"	Ships Steward	Alex Vielstern	"	" " "
Carl J. Miller	Sea	Barber	Fred Smith	"	Cox
A.E. Durrand	Lds	Jack of Dust	D. McGinley	"	"
E.M. Carver	2nd C. Appr	Bugler	Chas Smith	"	Capt of Top
Johan A Anderson	Sea	Sailmis Mate	S. Jonna	"	" " "
J.M. Talvey	Sea 2d	Armorer	C.F. Pettersson	"	Cox
Wm Gaffney	Lds	Painter	Geo Allen	"	"
Mich Conway	"	Carpenter	Johan Parker	"	Capt Forecastle
Richd Cartrick	"	Carpenters Mate	J.J. Simonson	"	" "
C.A. Carlson	"	B smith	Moses Kinsler	1 C.F.	Water Tender
H. Nygren	O.S.	Lamp Trimmer	Peter Hand	"	" "
J. McGinn	Sea	Chf. B Mate	W. O'Connor	"	" "
Wm Wittow	"	B.M.	J.F. Cronin	"	Oiler
W.S. Jones	"	Chf 2d M	N. Gilroy	"	"
C.E. Lake	"	2d M	E Edwards	"	"
Wm Forest	"	2d Gr			
Joseph Anderson	"	" "			
J.C. Robinson	"	Ships Corpl			
Nicholas Lear	"	B.M.			
Olived Robinson	"	Chf Gr M.			
J.M. Cunningham	"	2d M			
R.F. Dodge	"	" "			
Chas Anderson	"	" "			
H. Simonson	"	Capt A.G.			

Approved

C. S. Snow

Comdr Commanding

is from Wd. & Sd.
Division
Navigation.

eeze from Sd. & Wd.
sent without leave
pt. F. Briggs
First

n Sd. & Wd. Working
s. Engaged in stowing
rd as follows:
ship carpenters,
ters & boiler makers
oilers 1625 gallons
Construction; Naviga-
en dating from the
anding. The Maine
survey Steamer "Blake"
xecutive Officer Sur-
escriptive lists ac-

Jno. H. Holman
Lieut.

eze from the Sd. & Wd.
s per forenoon.
me aboard in charge
F. Briggs
First

alls to the Nd. & Wd.
rating to gentle breeze
ider of watch. Sent

Jno. H. Holman
Lieut

watch. Mod breeze
F. Briggs
First.

Examined and found to be correct.

Le. K. Jenks
Lieut-C Navigator.

LOG of the UNITED STATES Steamer 'Essex' , 3 Rate,

Navy Yard New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Moored at dock					No instru-								
2				Navy Yard N Y					ments on								
3									board								
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11																	
Noon.																	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ′ ″
- Longitude by D. R. ° ′ ″
- Latitude by observations of ⊙ ° ′ ″
- Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Position at 8 P. M.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.																			
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Mid.																			

under the command of Commander. A. T. Snow. , U. S. Navy,

April 20th , 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & untill 4 A. M.
Partly clear & cloudy. Cool. Light Southerly breeze. Moonlight

J. H. Worthington
Ensign

4 to 8 A.M
Cloudy & mild. Light southwesterly breeze. Received in Paymasters Dept. for use of crew 121¼ lbs. fresh beef, 121½ lbs. vegetables and 97 lbs. soft bread.

Geo. F. Holman
Lieut.

8 A.M. to Merid.
Clear & pleasant. Light airs from Sd. & Wd. At 9.30 mustered at quarters. At 10.00 sent Marine guard up to barracks for drill. Received on board stores in Construction, Equipment, & Paymaster's Depts. 4 Carpenters from Yard engaged in repairing deck. 2 joiners fitting out Capts office. 2 painters & 4 boilermakers engaged on board during watch. Began filling boilers with water from Navy Yard dock. Stopped on account of leaky valve. Marine guard rctd. on board at 11.30.

O. McClone,
Ensign, U.S.N.

Meridian to 4 P.M.
Hoisted in steam launch. Sent working parties to the yard for stores. Filling boilers from hydrant ~~750 Cu ft. wtr.~~ Engaged in receiving stores aboard & stowing them. At 3.30 Yantic came in. Recd. in Navigation & Ordnance a part of stores checked on the invoice by the Navigator. Receiving stores in Equipment Dept. Recd. in Engineer's Dept. for the boilers 5-625-gallons fresh water.

Geo. F. Holman
Lieut.

4 to 8 P.M.
Clear & pleasant. Light breeze from Sd. Finished stowing away stores. Went to quarters for muster at 6.00. Sent liberty party ashore & visiting party to Yantic.

O. McClone,
Ensign, U.S.N.

8 P.M to Mid.
Clear & pleasant. Light breeze to light airs hauling from Sd. to Wd. Bright moonlight.

Geo. F. Holman
Lieut.

Examined and found to be correct.

H. K. Lemon
Lieut. U.S.N. Navigator.

LOG of the UNITED STATES Steamer Essex , 9 Rate,
Navy Yard, New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Moored at dock Navy Yard N Y					Reinstru-								
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11																	
Noon.																	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″
Latitude by observations of ⊙ ° ′ ″
Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″
Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″
Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.																			
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Mid.																			

under the command of Commander A. S. Snow, U. S. Navy,

May 12th, 18 90.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences till 4 A.M

Clear & pleasant. Light airs from Wd. & Sd.

A. Marlow
Engineer.

4 to 8 A.M.

Clear & pleasant. Light airs to light breeze from Sd. & Wd.
Received ~~12½ lbs fresh~~ beef. D. McGinley absent without leave
Received 12½ lbs. vegatables & 97 lbs. soft bread in paymasters Dept. F. Harris
First.

8 A.M to Mid.

Clear & mild. Light breeze from Sd. & Wd. Working parties were sent to the Yard to bring down stores. Engaged in stowing stores. Navy yard workmen employed on board as follows: Construction, 2 plumbers, 3 painters, 3 joiners, 6 ship carpenters; Equipment 1 rigger. Steam Engineering, 2 painters, 4 boiler makers 1 carpenter. Recd. in Steam Engineering Dept. for boilers 1625 gallons fresh water. Recd. stores in Ordnance, Equipment, Construction, Navigation & Provision & Clothing Depts. Ratings were given dating from the 29th April. by order of the Commander, Commanding. The Marine guard was sent to the barracks for drill. Coast survey Steamer "Blake" anchored in the basin. A board consisting of the Executive Officer, Surgeon and the Paymaster, verified the transfer & description lists according to regulation.

Geo. F. Holman
Lieut.

Mid to 4. P. M.

Warm & pleasant. Gentle breeze from the Sd. & Wd. Navy Yard workmen employed on board as per forenoon. Receiving & stowing stores. D. McGinley Cox. came aboard in charge of a Copl. from the Yard. 5½ hours over time. F. Harris
First.

4 to 8 P.M

At 4.30 the wind shifted in stiff squalls to the Nd. & Wd. with thunder & lightening & heavy rain moderating to gentle breeze from same quarter with rain during remainder of watch. Sent a liberty party ashore.

Geo. F. Holman
Lieut

8 P.M. to Mid.

Cloudy with rain first part of watch. Mod breeze from Nd.

F. Harris
First.

Examined and found to be correct.

L. K. Jones
Lieut-A Navigator.

LOG of the UNITED STATES Steamer Fulton, 3 Rate,
Navy Yard, New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Moored at dock					No instru-								
2				Navy Yard, N.Y.					ments on								
3									board								
4																	
5																	
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7																	
8																	
9																	
10																	
11																	
Noon.																	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ′ ″
- Longitude by D. R. ° ′ ″
- Latitude by observations of ⊙ ° ′ ″
- Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Position at 8 P. M.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.																			
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9																			
10																			
11																			
Mid.																			

under the command of Commander A.S. Snow , U. S. Navy,
May. 2nd , 18 90

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences & until 4. A.M.
Cloudy & cool. Mod. breeze from Nd. & Ed. with stiff squalls.

Ensign F.H. Holman
Lieut

4 to 8 A.M.
Clear & cool. Mod. breeze from N. At 6.00. Started fires under all boilers. At 8. the following workmen came on board. 2 plumbers. 1 Carpenter Steam Engineering. 8 Ship carpenters, 2 painters Construction.

J.T. Newton

8 A.M. to Mer
Clear & pleasant. Mod. breeze to light airs from Nd. & Ed. Crew engaged receiving & stowing stores. Secured ship to wharf & started "dock trial" at 11.10 Navy Yard workmen employed as per morning watch.

F. Forrines
Lieut.

Meridian to 4 P.M.
Bright and pleasant. Gentle breeze from Nd. Workmen from the Yard as follows. 5 calkers, 2 painters, 2 coppersmiths 1 Carpenter. Comdg officer & quarterly Board of Survey made monthly examination of Paymasters accounts required by Navy Dept. circular No. 48. Steaming during watch stopping three times for intervals of half to three quarters of an hour. Receiving Paymasters Stores. Recd. from the U.S.R.S. Vermont seven landsmen shipped for the cruise in the "Essex".

J.T. Newton

4 to 8 P.M.
Clear & pleasant. Gentle breeze from Sd. & Wd. Stopped steaming at 7.00 & banked fires.

F. Forrines
Lieut.

8 P M to Mid.
Clear & Pleasant. Light breeze from Sd. & Wd. Fires banked Bright moonlight. Moon full.

J.T. Newton

Examined and found to be correct.

L.M. Lemly
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex , 3 Rate,
Navy Yard New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Moored at dock					No midnt.								
2				Navy Yard N.Y.					musts on								
3									board								
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8											52	51					
9											56	54					
10					E.	1					56	55		b.	cir	10	
11					"	1					59	58		"	"	10	
Noon.					"	2					59	58	s	b.c.	"	9	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ′ ″
- Longitude by D. R. ° ′ ″
- Latitude by observations of ⊙ ° ′ ″
- Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Position at 8 P. M.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.																	
1						S. S. W.	4				60			b.c.	Cir.	4	
2						"	4				62	61		"	"	4	
3						"	4				62	61		"	"	5	
4						S by W.	3				62	62		"	"	6	
5						S. S. W	3				62	61		"	"	6	
6						S. S. E.	3				60	60		"	"	4	
7						"	3				59	59		"	"	4	
8						S. S. W	3				59	59		"	"	2	
9						S by W.	1				60	59		O.	"	1	
10						"	1				60	59		b.c.	"	3	
11						"	1				59	59		O.	"	0	
Mid.						"	1				59	59		"	"	0	

under the command of Commander A. S. Snow, U. S. Navy,

May 3rd, 18 90.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences until 4 A.M.
Clear & pleasant. Bright moonlight first part
cloudy later on, Calm.

J. H. Hutchinson
Ensign

4 to 8. A.M.
Cloudy & cool. Light breeze from S. W. U. S. S. Fortune
left the Yard at 7.45. Recd. fresh rations for crew.

J. H. Hutchinson
Ensign

8. A.M. to Meridian
Bright & pleasant. Light air to light breeze from S.
Workmen from the Yard. 2 painters. 1 joiner. 2 plumbers, 6 carpenters
Commenced steaming at 10.30. Finished steam trial at 11 o'clock
& hauled fires. Engaged in getting sails on board. Receiving stores
in Equipment Dept. J. S. Burrow (Ldsm) was rated Cabin Steward & A. S.
Stokes (Ldsm) was rated Cabin Cook.

J. T. Newton
Lieut.

Meridian to 4. P. M.
Clear & pleasant. Mod. to gentle breeze from
S. S. W. At 1.30 U. S. Torpedo Boat "Cushing" left the Yard
for Washington. Recd. on board complement of sails, three chronom-
eters and one back chronometer. By order Cmdg Officer reduced
Hand. Mc. Gibley to 2nd Class for breaking liberty. P. Casey & D. Sinclair
reduced one class for shirking & smoking in Yard. P. J. Curly for
striking another person in the Navy-cautioned. Workmen from yard
at work on ship as in morning watch.

J. H. Hutchinson
Ensign

4 to 8 P.M.
Cloudy. Gentle breeze from Sd.

J. T. Newton
Lieut.

8 P.M to Mid
Overcast. Cloudy to pleasant. Light airs from Sd. & Wd.

J. H. Hutchinson
Ensign

Examined and found to be correct.

[illegible]
Lieut. & Navigator.

LOG of the UNITED STATES Steamer Essex , 3 Rate,
Navy Yard, New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Moored at dock	S. by W.	1			No indica-	59	59			or. gn	cir. str	0	
2				Navy Yard, N. Y.	S. E.	1			ments on	59	59			"	"	0	
3					-	1			board	60	60			"	cir.	0	
4					"	1				60	60			"	"	0	
5					"	1				60	60			or. f.	"	0	
6					"	1				60	60			"	"	0	
7					"	1				59	59			"	"	0	
8					-	1				60	60			"	"	0	
9					-	1				61	60			"	"	0	
10					"	1				62	61			or. f. r	"	0	
11					-	1				62	61			"	"	0	
Noon.					"	1				64	63			or. f.	"	1	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″
Latitude by observations of ⊙ ° ′ ″
Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.: Latitude by ° ′ ″
Longitude by ° ′ ″

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.							
1	S. S. E.	3	65	64	O. C. m	Cir. cum	0
2	"	3	65	64	"	"	0
3	South	3	64	63	or. r. m	Nim	0
4	S. S. E.	3	64	63	or. m	"	0
5	- - -	3	64	64	or. f.	"	0
6	S. E.	3	63	62	"	"	0
7	"	2	63	62	"	"	0
8	"	2	62	61	or. m	"	0
9	"	1	62	61	or. m. d.	"	0
10	"	1	62	61	"	"	0
11	-	1	62	61	"	"	0
Mid.	"	2	62	61	or. l. r.	"	0

under the command of Commander A. S. Snow, U. S. Navy,
May 4 & 11, 18 90.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences till 4. A. M.
Overcast, misty, foggy last hour. Light breeze from Sd.

J. T. Newton

4 to 8. A. M.
Overcast & foggy. Light airs from Sd. Executed morning orders. Recd. fresh rations for crew.

D. McIlvaine,
Ensign, U.S.N.

8 A. M. to Merid.
Overcast, cloudy, foggy with rain during 2nd & 3rd hours Light airs from S.E. Recd. on board fresh bread for crew. At 9.30 mustered crew and inspected them at quarters. Comdg. Officer inspected store rooms & hold. On account of bad weather the usual routine of the 1st Sunday of the month was postponed till next Sunday.

J. H. Huntington Jr.
Ensign

Meridian to 4 P. M.
Overcast, cloudy & misty. Raining at intervals. Gentle breeze from Sd. & Ed. at 1.00 sent liberty party ashore. Sent visiting party to U. S. S. Yantic.

D. McIlvaine,
Ensign, U.S.N.

4 to 8 P. M.
Overcast & foggy. Light to gentle breeze from S. S.E. & S.E.

J. H. Huntington
Ensign

8 P. M. to Mid.
Overcast, cloudy & misty, raining at intervals Lightening last hour. Light S.E. airs.

D. McIlvaine,
Ensign, U.S.N.

Examined and found to be correct.

[illegible]
Lieut. U. Navigator.

LOG of the UNITED STATES Steamer Fleet , 3 Rate,

Navy Yard New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Moored at dock	S. E	2			No instru-		61	61		or. b. n.	nim	0	
2				Navy Yard, N.Y	S. E.	2			ments on		61	61		f.	"	0	
3				"	"	2			board		61	61		"	"	0	
4				"	"	1					61	60		"	"	0	
5				"	"	1					61	60		v. s. f.	cum. nim	0	
6				"	"	1					60	60		"	"	0	
7				"	"	1					61	61		"	"	0	
8				"	South	1					62	61		"	"	0	
9				"	"	2					65	64		v. c. m	"	2	
10				"	S. E.	2					66	65		v. c.	cir. cum	4	
11				"	"	3					69	67		"	"	4	
Noon.				"	"	2					71	69		"	cir. cum. nim	5	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ′ ″
- Longitude by D. R. ° ′ ″
- Latitude by observations of ⊙ ° ′ ″
- Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Position at 8 P. M.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.									
1	South.	2.	74	72	be.	cum.	4		
2	"	2.	74	72	"	"	4		
3	S. S. W.	2.	74	72	"	"	4		
4	S. W.	2.	76	74	"	"	5		
5	S. W. by W.	2.	76	75	"	"	7		
6	"	2.	76	75	"	"	8		
7	W. S. W.	2.	75	74	"	"	6		
8	South	2.	73	73	"	"	9		
9	"	2.	73	72	"	"	9		
10	"	2.	72	71	"	"	9		
11	"	2.	71	70	"	"	9		
Mid.	"	2.	69	68	"	"	9		

under the command of Commander A. S. Snow, U. S. Navy,

May 5th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences till 4. A. M.

Overcast, cloudy & foggy. Light breeze from S. E.

J. H. Harrington
Ensign

4 to 8 A M

Overcast, foggy. Light airs from S.E. hauling to S.S.W. last hour. Raining until 7.30 Recd. ~~fresh~~* ~~rations~~ for crew. Fresh vegatables sent to ship for crew were held for action of Quarterly board of Inspection. * 120 lbs. fresh meat 96 loves of bread.

Geo. F. W. Holman
Lieut

8. A. M. to Merid.

Partially cloudy & pleasant. Light to gentle breeze from Sd. & Ed. Loosed sails to a buntline at 9.00. at 9.20 went to quarters and instructed the divisions as to their duties Recd. on board in Pay. Dept. 120 lbs. fresh. vegatables. At 11.55 hauld sails up preparatory to furling. The following men from the yard engaged at work on board; 4 painters, 3 fitters, 1 machinist 1 carpenter from Engineer's Dept. 4 Carpenters for Construction and repair. Recd. on board Ordnance & ship's stores.

C. Nielsen, S
Ensign, U.S.N.

Mer. to 4 P.M.

Cleaning & warmer. Light breeze from South hauling to S.W. at 12.50 made signal Int. 4826 Ansd. 904 at 1 furled sail. Engaged in receiving Ordnance & Equipment stores aboard Drilled the 1st division at Singlesticks and the 2nd & 3rd at small arms.

Geo. F. W. Holman
Lieut

4 to 8 P M

Clear & pleasant. Light breeze from Sd. & Wd. at 5.50 Mustered at quarters. & gave men fire stations at 6.15 went to fire quarters. Sent liberty party ashore at 6.40

C. Nielsen,
Ensign, U.S.N.

8 P.M. to Midnight.

Clear & pleasant. Light breeze from South. Bright moonlight.

Geo. F. W. Holman
Lieut.

Examined and found to be correct.

W. K. Lewis
Lieut & Navigator.

LOG of the UNITED STATES Steamer Resolute, 3 Rate,
Navy Yard New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	Air, Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Moored at dock	South.	1			Barometer		66	66		oc.	cum.	8	
2				Navy Yard N. Y.	S. E.	1			mustbe		65	64		"	cir. cum	5	
3					"	1			board		64	64		"	" "	5	
4					"	1					63	63		"	cum.	0	
5					"	2					63	62		oc. f.	cum. cum	0	
6					"	1					63	62		oc. f. r.	"	0	
7					"	1					63	62		"	"	0	
8					"	1					64	64		"	"	0	
9					"	1					65	64		"	"	0	
10					"	2					66	65		"	"	0	
11					Nbly.	2					66	65		"	"	0	
Noon.					"	2					64	63		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.												
1					Nd. & W.	2			63	62	oc. r.	cum. str.	0
2					"	2			63	62	"	"	0
3					Nd & W.	2			60	59	oc.	cum. nim.	0
4					Nd & W.	2			61	60	"	"	0
5					N. N. W.	2			61	60	"	"	0
6					"	2			61	60	"	"	0
7					N. N. W.	2			60	59	"	cum str.	0
8					N. N. W.	3			60	59	"	"	0
9					N. N. W.	2			60	59	b. e.	cir. cum	/
10					N. W.	1			59	58	b. e.	"	/
11					"	1			59	58	oc.	"	0
Mid.					"	2			59	58	oc.	"	0

under the command of Commander A. S. Snow, U. S. Navy,

Tuesday May 6, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m. Partially cloudy and pleasant. Light airs from S'd and S'd & E'd.

D. McCrone,
Ensign, U.S.N.

4 to 8 A.M.

Cloudy foggy and rainy light airs from S'd Rec'd in Pay Dept. 120 lbs fresh beef 120 lbs fresh vegetables 96 lbs soft bread ans. 90 lbs At 8 crossed t'gallt and royal yards H. O'Connor 1st Cl. absent without leave At 7.50 made signal Int. 6069

H. O'Brien
Lieut. U.S.N.

8 A.M. to Meridian

Overcast and rainy light breze hauling from S.S.E. to N.W. Ensign Stone left the ship on two weeks leave of absence. Reciving stores in Equipment, Construction and Navigation. At 9.30 inspected at quarters and drilled according to routine

Jno. F. W. Holman
Lieut. U.S.N.

Meridian to 4 P.M.

Overcast and rainy, light breze from N.E. By order of Comdg Officer D. H. Foley O.S. was given four (4) days extra duty for shirking Served out monthly money

H. O'Brien
Lieut.

4 to 8 P.M.

Overcast and hazy. Light to gentle breze from N. N. W. Hoisted sailing launch Sent a liberty party ashore. Private Griffin was reported missing from the ship

Jno. F. W. Holman
Lieut. U.S.N.

8 P.M. to Midt.

Cloudy light to gentle breze from N.W. At 10 Private Cunningham was reported missing from the ship

H. O'Brien
Lieut. U.S.N.

Examined and found to be correct.

M. K. Lurtz
Lieut. U.S.N. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

Navy Yard New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Moored at dock	W.	2			No instru-		56	55		fc	cu cums	1	
2				Navy Yard N.Y.	"	2			ments on		56	55		"	"	6	
3					"	2			board		55	54		"	"	8	
4					"	1					54	53		"	"	5	
5					N. W.	1					53	52		"	"	4	
6					"	1					52	51		"	"	4	
7					N. N. E.	2					53	53		"	"	4	
8					"	2					53	53		"	"	3	
9					"	2					54	52		"	"	2	
10					"	2					54	55		"	"	1	
11					"	1					56	56		"	"	2	
Noon.					"	1					57	57		"	"	2	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.			1					
1		E.	1	60	05	fc	cir	2
2		S. E.	2	60	09	"	"	2
3		S.	2	62	60	"	"	2
4		"	2	62	60	0	cir str	0
5		S. S. E.	2	61	60	"	"	0
6		"	2	61	09	"	"	0
7		"	2	62	60	"	"	0
8		"	2	62	60	"	"	0
9		S	2	62	61	"	cir	0
10		"	2	62	61	fc	"	1
11		"	2	60	59	"	"	2
Mid.		N. N. E.	2	59	55	"	"	1

under the command of Commander A. S. Snow, U. S. Navy,

Wednesday May 7th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.

Clearing, cool. Light breze from West

Geo. F. Wadsworth
Lieut U.S.N.

4 to 8 a.m.

Cloudy and pleasant light air to light breze from Nd Commenced coaling at 6 from lighter 3293 with bag, At 8 had received 101 bag of coal, average weight per bag - 116.15 lbs, weight of empty bag 21 lbs. Total weight of coal 178 tons Received in Pay Dept 96 lbs soft bread A.B. Durrand J.O.D. returned on board under the influence of liquor having been ashore without permission

J.J. Newlon
Lieut U.S.N.

8 a.m. to Meridian

Partly cloudy; cool; pleasant; light breze to light airs from N.N.E.
The following men from the yard employed on board 1 Engrs, 1 Agrs and 2 Construction Dept At 8.30 Private Michael Griffin and Jos Cunningham came on board and by order of Comdg Officer were reduced to fourth class conduct list and ordered under charge of Corpl of the Guard from pipe down evening until "all hands" next morning while the ship remains at this port, for having left the ship without permission Crew engaged coaling ship Recd from lighter 3293. 47 tons coal

F.H. Prince
Lieut.

Meridian to 4 P.M.

Cloudy and pleasant light air to light breze from S and SE Coaling ship Receiving stores from Equip Dept

J.J. Newlon
Lieut U.S.N.

4 to 8 P.M.

Cloudy but pleasant; light breze from S.S.E., stopped coaling at 5- Recd from lighter 3301 15 1970/2240 At 5.30 made signal 6068 Int, and 90 Int down t'gallt and royal yards

F.H. Prince
Lieut.

8 P.M. to Mid

Cloudy and pleasant light breze from S. and W.N.W.

J.J. Newlon
Lieut U.S.N.

Examined and found to be correct.

W.K. Lemly
Lieut U.S.N. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Navy Yard, New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Moored at dock	N.N.E.	3			No instru-		57	56		fc	cir cum.	3	
2				Navy Yard, N.Y.	"	3			ments on		56	55		"	"	3	
3				"	"	3			board		55	54		"	"	1	
4				"	"	3					53	53		"	"	3	
5				"	N.	4					53	52		fc	"	0	
6				"	"	5					51	50		"	"	0	
7				"	N by E.	5					50	49		"	"	0	
8				"	"	6					47	46		clear	rimm	0	
9				"	N.	5					47	46		clear	"	0	
10				"	"	5					50	49		clear	"	0	
11				"	"	4					50	49		"	"	0	
Noon.				"	"	4					50	49		"	"	0	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.										
1				N.	2	52 51	clear	cum nim	0	
2				N. E.	3	53 51	fc	"	2	
3				N.	3	56 53	"	cum cir	3	
4				"	4	57 55	"	"	5	
5				N. N.W.	2	57 56	"	"	5	
6				"	3	60 57	"	"	6	
7				N. W.	4	58 55	"	"	9	
8				"	3	53 53	"	"	6	
9				"	3	54 52	"	"	8	
10				"	3	53 51	"	"	8	
11				"	3	53 51	"	"	8	
Mid.				"	3	53 50	"	"	8	

under the command of Commander A. S. Snow, U. S. Navy,

Thursday May 8th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Generally cloudy, but pleasant; cool, gentle breze from N.N.E.

F. H. Prince
Lieut U.S.N.

4 to 8 A.M.

Overcast, cloudy and cold; misty during last hour. Moderate to fresh breze from N. by N. by E. At 5 - 45 commenced coaling ship working by watches one hour each. Recived on board 12 20/2240 tons coal also 120 lbs fresh beef, 120 lbs fresh vegetables and 96 lbs soft bread for the crew.

J. H. Hetherington
Ensign

8 A.M. to Meridian

Overcast and unpleasant raining steadily after 9 A.M. Wind in moderate squalls in first part decreasing to moderate and gentle breze at close. The following men absent over time J. Parker C.T.C. R. R. Brown 2d Asst. Engr. B. Mte J. Cunningham 4th Mrs. H. O'Connor 1st C.F. was found to be absent from the ship without permission having gone ashore The following punishments were assigned by the Comdg Officer. R. B. Durrant J.O.D. reduced to 4th class, 1 month, for going ashore without permission, and being under the influence of liquor. Geo. Allen C.A. reduced to 3d class, 1 month, for being under the influence of liquor on return from liberty and unfit for duty. Stopped coaling at 9.30 on account of the rain having received during the day 20 tons. Total amount recived yesterday and to day 82.8 tons. Workmen on board from Construction, 2 painters and 2 carpenters. From Steam Engineering, 1 painter. Started fires under one boiler

J. T. Newton
Lieut U.S.N.

Meridian to 4 P.M.

Overcast, cloudy and rainy during first hours, then clearing, light to moderate breze from N. by E. At 1.10 commenced coaling recived on board 20 70/2240 tons coal, and 220 cu. ft. of fresh water. J. B. Cunningham Jr. Mr. returned on board under the influence of liquor 0 - 3/4 hours over time and was placed under surveillance of Corpl of the Guard. P. Dwyer Lab found under the influence of liquor on board ship, placed under sentry charge until sober. Recived from Receiving Ship Vermont. Painters Hardiker do. The following yard workmen were at work on board, 6 painters 1 boilermaker, 2 joiners, 5 carpenters, 1 compass fitter.

J. H. Hetherington
Ensign

4 to 8 P.M.

Clear and pleasant, light to moderate breze from N.N.W. 3/4 N. Wind. coaling ship, stopped coaling at 6 having received 10.27 tons since 4. Total recived 118 tons.

J. T. Newton
Lieut U.S.N.

8 P.M. to Mid.

Clear and cold, gentle breze from N. W.

J. H. Hetherington
Ensign

Examined and found to be correct.

W. K. Lemmon
Lieut. U.S.N. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3 Rate,

Navy Yard New York.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Moored at dock	N. W.	1			No instru-		52	50		b		10	
2				Navy Yard. N.Y.	"	1			ments on		51	50		"		10	
3				"	"	1			board		51	50		b c	cum	9	
4				"	"	1					51	49		"	"	9	
5					S. W.	1					50	48		b	"	10	
6					N. N. W.	1					51	49		"	"	10	
7					W. S. W.	2					53	51		"	"	10	
8					"	2					56	54		"	"	10	
9					"	2					58	56		"	"	10	
10					S. W.	2					60	59		"	"	10	
11					"	2					60	59		"	"	10	
Noon.					"	2					60	59		b c	"	9	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.:
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.:
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.									
1			W. S. W.	2	64 61	b c	cum	9	
2			"	2	64 61	"	"	9	
3			"	1	66 69	"	cir cum	7	
4			"	2	66 63	"	"	4	
5			"	2	66 68	"	"	4	
6			"	2	66 68	"	"	2	
7			S. S. W.	3	62 61	"	"	2	
8			"	2	61 60	"	"	2	
9			S. W. by S.	2	60 59	c	"	2	
10			"	2	60 59	o	"	0	
11			S. S. W.	2	60 59	"	"	0	
Mid.			"	2	60 59	n	"	0	

under the command of Commander A. S. Snow, U. S. Navy,

Friday May 9th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant, light airs from N.W. Bright moonlight moon rose at 12

J. T. Newton
Lieut U.S.N.

4 to 8 A.M.

Hazy light airs to light breze varying between S.W. and N.W. Engaged in coaling ship Received on board during watch 1st 030/2240 tons. Lost overboard one coal bag at 7.00 made signal Ints 5th 05m and 90th At 8 loosed sails Received on board for use of crew 96 lbs soft bread

Geo. F. W. Holman
Lieut U.S.N.

8 A.M. to Meridian

Clear and pleasant light breze from W.S.W. to S.W. Coaling ship finished at 11.25 receiving on board in all 105 219/2240 tons Hauled fires at 10.45 Received on board outfits for boats boys 5 painters 2 joiners and 2 boat builders at work on ship

J. A. Sturtevant
Ensign

Meridian to 4 P.M.

Clear and pleasant light to moderate breze from W.S.W. At 12.50 made signal Ints 4th 26 and 90th At 1 furled sails

Geo. F. W. Holman
Lieut U.S.N.

4 to 8 P.M.

Clear and cool light to gentle breze from W.S.W. to S.S.W. Received on board 2 barrels blacksmiths coal

J. A. Sturtevant
Ensign

8 P.M. to Mid

Sky clouding over, light breze from S.W. to S. and S.S.W. Rain began to fall at 11.20

Geo. F. W. Holman
Lieut U.S.N.

Examined and found to be correct.

L. M. Lemly
Lieut. U.S.N. Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

Navy Yard, New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Moored at dock	S. W.	1			no insulin		61	60		0. C	Nim	0	
2				Navy Yard N.Y.	"	1			mentioned		61	60		"	"	0	
3					"	1			board		61	60		"	"	0	
4					"	1					61	60		"	Cir Nim	0	
5					"	1					62	60		b C	Cir cum	2	
6					"	1					62	60		"	"	2	
7					W. W.	2					68	61		"	"	1	
8					S. W.	3					68	61		"	"	1	
9					"	3					63	61		"	"	1	
10					S. S. W.	1					68	62		0. C	"	0	
11					"	1					65	63		"	"	1	
Noon.					"	1					66	64		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ′ ″
- Longitude by D. R. ° ′ ″
- Latitude by observations of ⊙ ° ′ ″
- Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Position at 8 P. M.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.									
1			S. W.	2		67	60	0. C	Cir alt	0
2			"	2		67	60	b. C	"	1
3			"	2		69	67	"	Cir cum	2
4			"	2		71	68	"	"	2
5			"	2		70	68	"	"	2
6			S. W.	3		70	68	0	cum Nim	2
7			W. S. W.	2		69	67	0. C fr.	"	0
8			"	2		69	67	"	"	0
9			"	2		68	67	"	"	0
10			S. W. by W.	2		68	67	"	Nim	0
11			S. W.	2		67	66	b. C	Cir cum	2
Mid.			"	2		67	66	b. C fr.	"	4

under the command of Commander A. S. Snow, U. S. Navy,
Saturday May 10th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Overcast and cloudy, light airs from S. W.

J. H. Hetherington
Ensign.

4 to 8 A.M.
Generally cloudy, threatening rain, light airs to light breeze from S.W. to W. At 7.0 made Int. signal 6 to M, answered 90 M. Crossed light-yards. Received 120 lbs fresh meats, 20 lbs fresh vegetables and 96 lbs soft bread, in Pay Dept. 2 joiners from Construction Dept of yard, employed on board.

F. H. Wilcox
Lieut U.S.N.

8 A.M. to Meridian
At 9.30 mustered at quarters, Absentees John Parker C.T.C, Nicholas Lear Bmc. M. Thomas C.C.F and T. Crawford C.M. At 9.40 called all hands to muster read Regulation Circular No 876 and explained its provisions also gave notification that allotments could be left upon application At 10.10 inspected ship at quarters The following ratings were made by order of the Comdg Officer. Chas Rhoades Ldsm rated M.R. Steward from the 8th inst. Elton Hawkins Ldsm rated M.R. Cook from to day. The following punishments were adjudged by the Comdg Officer; Jas M. Cunningham for returning on board drunk 0½ hours over time, reduction to 8th class, Patrick Dwyer Ldsm for being drunk on ship unfit for duty confinement for three day in brig, without irons on bread and water, and reduction to 4th class P. Corrigan Seaman for being 0½ hours over time returning from liberty reduction to 2d class R. Post appr for not obeying order of Officer of the Guard, one weeks extra duty and cautioned The following record is forwarded of draught of ship before and after coaling

	Before.	After.
Forward	12' 6"	13' 4"
Amidships	13' 6"	14' 7"
Aft	14' 6"	16' 2"

Patrick O. M. Macnamara was appointed Engr Yeo to date from May 8th

Geo F. W. Holman
Lieut U.S.N.

Meridian to 4 P.M.
Partly cloudy, pleasant weather, light to gentle breeze from W.S.W. Paymaster W. T. Barry U.S.N. left the ship on leave until noon 14th inst

F. H. Wilcox
Lieut U.S.N.

4 to 8 P.M.
Overcast, gentle to light breeze from S.W. to W.S.W. Showers latter part of watch

Geo F. W. Holman
Lieut U.S.N.

8 P.M. to Midn
Cloudy with light rain showers first and last part of watch, light breeze from W.S.W. to S.W.

F. H. Wilcox
Lieut U.S.N.

Examined and found to be correct.

Le. K. Lenfest
Lieut. U.S.N. Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,
Navy Yard New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Moored at dock	S. W.	1			No instru-		67	65		b. c.	cumu	9	
2				Navy Yard N.Y.	S.S.W.	1			ments on		64	64		"	,	8	
3					E.	1			board		63	62		o. p.	,	0	
4					,	1					62	61		o. p. m.	,	0	
5					"	2					60	59		o. p. r.	rain	0	
6					,	2					58	58		"	,	0	
7					,	2					56	56		,	,	0	
8					,	2					54	53		,	,	0	
9					N. N. E.	3					54	53		o. c. p.	Cumulus	0	
10					"	3					54	53		o. c.	,	0	
11					N. E.	3					54	53		,	,	0	
Noon.					"	3					54	53		,	,	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.									
1			N. N. E.	3	56	54	b. c.	Cir. cum.	3
2			"	3	58	56	"	,	4
3			"	3	60	58	,	,	4
4			"	3	61	58	,	,	4
5			"	3	61	59	,	"	0
6			E.	2	62	59	,	"	0
7			S.S.E.	2	62	60	,	,	4
8			S.	2	60	59	,	,	3
9			"	2	59	58	,	,	9
10			"	1	58	57	,	"	8
11			"	1	57	56	,	,	10
Mid.			"	1	57	56	,	,	9

under the command of Commander A. S. Snow, , U. S. Navy,

Sunday May 11th , 1890 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clouding over, light airs from S.W. and S.S.W. backing to East latter part of watch. Passing showers latter part of watch.

Geo. F. Holman
Lieut U.S.N.

4 to 8 A.M.

Overcast raining frequently in showers. Light breze from E. Received in Pay Deptt. 120 lbs fresh beef, 120 lbs fresh vegetables, 96 lbs fresh bread

J. J. Newton
Lieut U.S.N.

8 A.M. to Meridian

Cloudy rain and cool. Gentle breze from N.N.E. to N.E. At 9.20 inspected crew at quarters, Johan Parker C.F.C. and Nicola Lear (B.M.) absent after expiration of leave: Wm O'Connor 1 C.T. and F. Crawford, C.M. absent without leave. At 10 "Called" all hands to Muster" Read "Articles of War" U.S. Navy Regulation Circular No 70 and Art. 110 of Laws and Regulations relating to enlistments, Officers in Special Full Dress

F. H. Wilcox
Lieut U.S.N.

Meridian to 4 P.M.

Clear and pleasant, Gentle breze from N.N.E.

J. J. Newton
Lieut U.S.N.

4 to 8 P.M.

Clear and pleasant, Gentle to light breze shifting from N.N.E to South during watch

F. H. Wilcox
Lieut U.S.N.

8 P.M. to Mid.

Clear and pleasant light airs and light breze from S.

J. J. Newton
Lieut U.S.N.

Examined and found to be correct.

L. K. Lewis
Lieut-C Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

Navy Yard New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Moored at dock	S	1			no instru-		57	56		b.c	cir cum	8	
2				Navy Yard N.Y.	"	1			ments on		56	56		"	"	6	
3					"	1			board		56	56		"	"	8	
4					"	1					55	55		f.	—	0	
5					N	1					54	53		"	—	0	
6					"	1					53	52		b.c.f	cir	2	
7					N.N.E.	2					52	51		b.c.m	"	0	
8					N.E.	2					58	51		b	"	10	
9					N.N.E	2					55	52		"	"	10	
10					"	1					57	54		"	"	10	
11					E.S.E.	2					60	53		"	"	10	
Noon.					E	2					62	57		"	"	10	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ′ ″
- Longitude by D. R. ° ′ ″
- Latitude by observations of ⊙ ° ′ ″
- Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Position at 8 P. M.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.							
1		E.S.E.	3	64	58	b	None	10
2		"	3	64	58	"	"	10
3		"	3	64	59	"	"	10
4		"	3	64	60	"	"	10
5		"	3	64	59	"	"	10
6		E.S.E.	3	68	59	"	"	10
7		"	2	60	58	"	"	10
8		"	3	60	57	"	"	10
9		"	1	58	57	"	Cum	9
10		"	1	58	56	"	"	10
11		Calm	0	57	55	"	"	10
Mid.		"	0	57	55	"	"	10

under the command of Commander A. L. Snow, U. S. Navy,

Monday May 13th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.

Clear and pleasant first part, bright starlight, Thick fog set in at 3.40 Moon rose about 1.40, light airs from E.

T. A. Wilcox
Lieut.

4 to 8 AM.

Foggy and misty, clear last hour Light airs to light breze from N. to N.E. At 9.40 made signal Int 5.45 Vermont answered 904 At 8 hoisted sail to a towline

J. M. Hetherington
Ensign U.S.N.

8 AM. to Meridian

Bright and pleasant, breze light from N.N.E. S.E. and E. At 9.20 mustered at quarters and formed the battalion. At 11 stationed the men for abandoning ship and provided Men working on board from Construction 9 painters, 2 joiners absent without leave at quarters Crawford, Lear, Parker, O'Connor.

J. T. J. F. Newton
Lieut U.S.N.

Meridian to 4 PM.

Clear and pleasant gentle breze from S.E. At 12.40 made signal 926 Int. Vermont answered 904 granting permission to hoist sail At 1.10 called all hands shortened and furled sail Commenced setting up rigging Hauled up both bower chains took 30 fms from shot chain and put 15 fms on each bower making bower chains each 130 fms and the shot chains 90 fms. Getting on board Equipment and Engineers stores Getting fresh water on board 9 painters and 2 joiners at work on the ship. Also men fitting pivot gun ports

J. M. Hetherington
Ensign U.S.N.

4 to 8 PM.

Bright and pleasant gentle breze from S.S.E. at 6 mustered at evening quarters Same absentees without leave as at morning quarters.

J. T. J. F. Newton
Lieut U.S.N.

8 PM. to Mid.

Clear and cool, calm, and light airs from S.S.E.

J. M. Hetherington
Ensign U.S.N.

Examined and found to be correct.

L. K. Lemly
Lieut-C Navigator.

LOG of the UNITED STATES Steamer Essex , 5th Rate,

Navy Yard, New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				moored at dock	S	2			No incline		57	55		b. w	nim	10	
2				Navy Yard N.Y.	"	2			mercurial		56	54		"	"	10	
3					"	2			board		56	54		b. m. w.	"	10	
4					"	1					55	53		"	"	10	
5					N.	1					54	53		b c	cir cum	8	
6					N. N. W.	1					54	53		o c	nim	0	
7					N. by W.	1					55	54		o c m	"	0	
8					S. W. by W.	1					56	54		b c	cir cum	8	
9					"	1					58	55		"	cum	9	
10					"	1					60	58		"	"	9	
11					"	2					62	59		"	cir	9	
Noon.					"	2					63	60		"	nim cum	8	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.											
1				S.	3			63 61	b	cum	6
2				"	3			64 62	"	"	6
3				"	3			64 62	"	"	2
4				"	3			63 61	"	"	6
5				"	4			64 62	"	"	6
6				"	3			63 61	b. c.	"	6
7				"	3			61 60	"	Blk	6
8				"	2			62 60	"	"	8
9				"	2			61 60	o	cum	0
10				"	2			62 60	o f l t	cum	0
11				"	2			62 61	o f l	"	0
Mid.				"	2			62 61	"	"	0

under the command of Commander A. S. Snow, U. S. Navy,

Tuesday May 13th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant light breze from S. Moon rose about 9

J. T. Newton
Lieut U.S.N.

4 to 8 A.M.

Clearing weather light airs from N. N. W. backing to S. W. by W. at 6.45 Brig Catalpa went out with a draft of men for the Constellation Received on board for use of crew 130 lbs each of fresh meat and fresh vegetables

Geo F. W. Holman
Lieut U.S.N.

8 A.M. to Meridian

Clear and pleasant light airs and light breze from S. W. by W. At 9.30 inspected crew at quarters. John Parker C.F.C. Nicholas Lear B.M. Wm O'Connor 1st C.F. Crawford C.H. absent without leave Instructed crew in duties at "Clear ship for Action". Exercised Artillery and Infantry The following yard workmen at work on the ship 7 painters and 2 boys 3 Carpenters 1 Laborer Patrick Dywerks was released from confinement by order of Comdg Officer.

J. D. Hetherington
Ensign U.S.N.

Meridian to 4 P.M.

Clear and pleasant gentle breze from South engaged in setting up rigging and in securing aboard equipment stores Receiving fresh water for boilers.

Geo F. W. Holman
Lieut U.S.N.

4 to 8 P.M.

Partly clear and cloudy moderate and gentle breze from S Received on board 738 cu feet water for boilers Crew engaged preparing for hauling down Nicholas Lear returned to the ship 5 days 9 hours over time

J. D. Hetherington
Ensign U.S.N.

8 P.M. to Mid

Overcast Heavy passing showers after 9.50 with thunder and lightning Light breze from South

Geo F. W. Holman
Lieut U.S.N.

Examined and found to be correct.

G. K. Lewis
Lieut-C Navigator.

LOG of the UNITED STATES Steamer Essex , 3rd Rate,

Navy Yard, New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Moored at dock	S. E.	1			No instru-		62	61		o. p.	nim	0	
2				Navy Yard N.Y.	"	1			ments on		63	62		o.c	"	2	
3					"	1			board		63	62		"	"	0	
4					"	1					64	63		"	"	0	
5					N. E. N.	1					66	65		"	"	0	
6					"	1					66	65		"	"	0	
7					"	2					66	65		b.c	cum	5	
8					"	2					67	66		"	"	4	
9					"	1					68	67		"	"	7	
10					"	1					71	68		"	cir cum	6	
11					N by E	1					75	71		"	"	6	
Noon.					N.	1					75	71		"	"	6	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.												
1				S. S. W.	2			78	72	b.c.	cir cum	7
2				S. S. E.	2			77	71	"	"	7
3				S.	2			77	73	"	"	7
4				"	1			77	78	"	"	7
5				"	1			74	71	"	"	4
6				"	1			74	71	b.c.d.	"	4
7				S. S. W.	1			73	71	b.c	"	4
8				S.	2			72	70	o.p.l.t.	"	1
9				W.	1			72	70	b.c.l	nim	3
10				S. S. W.	1			71	70	o.t.l	"	0
11				S. W.	1			71	69	"	"	0
Mid.				"	1			70	69	b.a.r.	"	3

under the command of Commander A. S. Snow, U. S. Navy,

Wednesday May 14th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.m.

Overcast and cloudy with passing showers during first hour light airs from S.S.

J. H. Hetherington
Ensign U.S.N.

4 to 8 A.m.

Cloudy first part clearing latter part of watch. Light airs to light breze from W.S.W. at 6 started fires in 4 boilers, Crew engaged in setting up rigging and rattling down

[redacted]
Lieut U.S.N.

8 A.m. to Meridian

Clear and warm light airs from W.S.W. to W. by N. at 8.45 made signal Int. 5.2.03 and 90 p. At 8.50 loosed sail Commander Snow received a weeks leave of absence. The following navy yard workmen were employed on board 2 machinists and helper 1 laborer 1 compass fitter 1 joiner, 1 caulker 6 painters and 2 boys. two carpenters. At 9.30 mustered at quarters absentees Jno Parker C.F.C. Wm O'Connor 1.C.F. Frank Crawford C.N.R.T. Dodge 2nd Mr Chas Smith C.T. and Lapin Can. Exercised the Marine Guard, second company and artillery at Infantry drill Began speed trial of engines, starting the engine ahead at 9.55 Instructed, stationed and equipped the boats crews for "Away Away" in 1st, 2nd and 3rd evolutions. Paymaster Barry returned from leave of absence. Engaged in rattling down

Jas F. W. Holman
Lieut U.S.N.

Meridian to 4 P.M.

Warm and pleasant light breze from S.S.W. to S.S.E. Crew engaged rattling and making down rigging and stays, Overhauled chain cable, At 3.45 reversed engines and at 3.50 stopped stating to let fires burn down, Ship's draft at end of trial fore 13.7 Amid 14.7 Aft 16.0. Navy Yard workmen employed as per forenoon watch. At 1 made Int. 4.26, Ans 90 4, furled sail.

[redacted]
Lieut U.S.N.

4 to 8 P.M.

Fair until last hour with light airs from S.S.W. At 7.40 a thunder squall set in with heavy rain At 8.40 mustered at quarters No absentees not previously reported At 8.50 made signal Int 6.40 ans 90 4 At 6 sent down topgallant masts and topgallant yards. Sent a liberty party as here.

Jas F. W. Holman
Lieut U.S.N.

8 P.M. to Mid

Generally cloudy and rainy with thunder and lightning first part, Light S'lyairs

[redacted]
Lieut U.S.N.

Examined and found to be correct.

H. K. Hewlett
Lieut-C Navigator.

LOG of the UNITED STATES Steamer Essex , 3rd Rate,

Navy Yard, New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Moored at dock	S.W. by W.	2			No instru-		70	68		o.p.	cir nim	0	
2				Navy Yard N.Y.	"	2			ments on		69	67		"	"	0	
3					"	2			board		69	67		"	"	0	
4					"	2					68	67		0	"	0	
5					S.W.	1					67	66		"	"	0	
6					"	1					67	66		"	"	0	
7					"	1					67	66		o.d.	"	0	
8					"	1					67	66		"	"	0	
9					W.	2					68	67		o.c.	nim	0	
10					N. W.	2					66	64		"	"	0	
11					"	2					66	64		o.c.2.	"	0	
Noon.					"	1					66	65		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.:
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.:
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.								
1	S. S. W.	1	67	65	o c	nim	0	
2	S. W.	2	67	66	"	"	0	
3	"	2	67	65	l.c	cir cum	3	
4	"	2	68	66	"	"	6	
5	"	1	68	66	"	"	4	
6	S.	1	67	65	o c	cum nim	0	
7	"	2	66	65	l.c	cir cum	3	
8	"	2	66	64	"	cum	9	
9	S. W.	1	66	65	"	"	8	
10	"	1	66	65	"	"	8	
11	"	1	66	65	"	"	8	
Mid.	"	1	66	65	"	"	8	

under the command of Commander A. S. Snow, U. S. Navy,

Thursday May 15th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.

Overcast light breeze from S. W. by W. occasional passing showers

Geo. F. W. Holman
Lieut U.S.N.

4 to 8 a.m.

Overcast commenced raining at end of watch. Received in Pay Dept 96 lbs fresh bread 120 lbs fresh meat & 120 lbs fresh vegetables At 7.00 made Sail & 161 Vermont answered and made 90 & sent up G'f mast.

J. T. Newton
Lieut USN

8 am to Meridian

Cloudy with rain last two hours, light breeze & light airs from W. to N. W. At 9.30 ins pected crew at quarters and exercised 2nd and Artillery companies. The following men were absent without leave Wm O'Connor 1 C F and F Crawford C.M., the following absent after expiration of leave J Parker C.F.C. & Chas. Smith C.F.T., At 10.15 exercised crew at fire quarters & abandoning ship, Fired 1st Stream 1 min, 10 sec, 2 Stream 1 min 36 sec, Marines provided in 58 sec.

F. W. Wilmer
Lieut U.S.N.

Meridian to 4 P.M.

Overcast clearing Latter part light airs and light breeze from S. E. & E. & E. Discharged D. McGinley C.F. from the Naval Service at his own request by order of the Bureau of Navigation Engaged in getting boat sails

J. T. Newton
Lieut U.S.N.

4 to 8 P.M.

Partly cloudy, pleasant weather, light airs to light breeze from E.

F. W. Wilmer
Lieut U.S.N.

8 P.M. to Mid

Clear and pleasant, light airs from S. W.

J. T. Newton
Lieut U.S.N.

Examined and found to be correct.

H. K. Hewitt
Lieut. U.S. Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

Navy Yard New York.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	Air, Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Moored at dock	S.	1			No indication		65°	64		b. m.	nim	10	
2				Navy Yard, N.Y.	"	1			made on		65	64		"	"	10	
3					"	2			board		65°	64		"	"	10	
4					S. W.	2					64	63		f.	"	0	
5					W. by S. W.	2					64	62		"	"	0	
6					N. W.	1					63	62		"	"	0	
7					N. N. W.	2					62	62		b. f.	"	4	
8					"	1					64	63		"	"	—	
9					W. by S. W.	1					67	60°		b. c. m	cir cum	4	
10					"	1					69	67		"	"	4	
11					"	1					72	68		"	"	4	
Noon.					"	2					72	68		"	cum	2	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.																	
1						S. W.	2				71	68		o c. m	cum nim	0	
2						S. S. W.	3				69	66		b. c. m	"	1	
3						"	3				70	66		o c.	"	0	
4						N. N. W.	3				69	66		o. c. v	"	0	
5						N.	3				60°	62		"	cir cum	2	
6						"	3				63	59		o c.	"	1	
7						N. N. W.	3				61	57		"	cum	4	
8						"	3				60	57		"	"	4	
9						"	3				59	57		f.	nim	10	
10						"	3				59	57		"	"	10	
11						"	3				58	56		f. w.	"	10	
Mid.						"	2				58	56		"	"	10	

under the command of Commander A. S. Snow, U. S. Navy,

Friday May 16th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commencis and until 4 A.M.

Clear and pleasant till 3.20 when thick fog set in, light airs to light breze from S.W. to S.W. to S.E. last hour

F. H. Wilner
Lieut U.S.N.

4 to 8 A.M.

Overcast and foggy partly clear during last two hours, light airs from N.E. to N. At 7 to made signal 6069 Interrogatory for permission to cross royal and topgallant yards. Vermont answered 90 Granting permission. At 8 crossed light yards

J. H. Hetherington
Ensign U.S.N.

8 A.M. to Meridian

Warm and sultry, clouding over and threatening rain at close of watch. Light airs from N.E. to N. Cleared ship for action at 9.40 time 23 mins. Beat to General Quarters at 10.13 Ready 1st Div. 4.00; 2nd 3.00; 3rd 4.10 Powder 11.30; Marine Guard 1.20; Surgeons 13.00; Engineers 7.00; Paymasters 14.00; Navigators 3.00 Secured 1st Div 10.30; 2nd 6.00; 3rd 7.30; Powder 7.35; Marine Guard 1.30; Surgeons 3.30; Engineers 3.30; Paymasters 3.30; Nav. 7.00. Absent without leave J. Parker C.S.C, H. O'Connor I.C.T, Chas Smith C.T.T, Frank Crawford C.T. Men from the yard Depot working on board, Construction 1 carpenter 2 plumbers 3 painters and 2 helpers, Engineers 2 iron workers, 2 machinists. Tested magazine and shell room flood cocks found them in good working order.

J. T. Newton
Lieut U.S.N.

Meridian to 4 P.M.

Overcast and cloudy, with rain during last hour. Light to gentle breze from S.S.W. to N.N.W. Turned out small cutter. The following yard workmen at work on board 1 carpenter 2 plumbers 3 painters and 2 helpers, 2 iron workers and 2 machinists. U.S. Tug Fortune came in at 1.30 and went alongside Ord Dock at 3 P.M. in going alongside ship the Fortune fouled this vessel doing no damage of any consequence C.T. Smith returned on board two days eight hours over time. Pumped ship out. Yard workmen took out ship torpedo wires

J. H. Hetherington
Ensign U.S.N.

4 to 8 P.M.

Cloudy clearing latter part. Gentle breze from N and N.N.W. At 6 had quarters and turned out clean hammocks. Hoisted Ens 6070 Vermont answered 90 Sent down royal yards

J. T. Newton
Lieut U.S.N.

8 P.M. to Mid

Clear and cool light to gentle breze from N.N.W.

J. H. Hetherington
Ensign U.S.N.

Examined and found to be correct.

L. K. Lemon
Lieut. & Navigator.

LOG of the UNITED STATES Steamer East, 3rd Rate,

Navy Yard New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Moored at dock	N. N. E.	2			No instru-		58	56		b. c	None	10	
2				Navy Yard N. Y	"	1			ments on		58	56		"	"	10	
3				"	"	1			board		57	55		"	"	10	
4				"	"	2					57	53		"	"	10	
5				"	N. N. W.	1					56	54		b.	"	10	
6				"	"	1					56	54		"	"	10	
7				"	N.	1					56	53		"	"	10	
8				"	"	1					57	54		"	"	10	
9				"	E.	1					58	54		b	"	10	
10				"	"	1					60	56		"	"	10	
11				"	E. N. E.	2					61	57		"	"	10	
Noon.				"	"	2					62	58		"	"	10	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.: Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.								
1			S. W.	2	64 60	b	none	10
2			"	3	60 62	b. c	cir cum	6
3			"	3	66 62	"	"	6
4			"	3	66 64	"	"	6
5			"	3	66 64	"	"	6
6			"	3	66 64	"	"	6
7			"	2	67 64	"	"	6
8			"	1	67 64	"	"	6
9			N. W.	3	66 62	"	"	10
10			N. N. W.	3	64 60	"	cum	10
11			"	3	62 56	"	"	10
Mid.			"	3	60 55	"	"	10

under the command of Commander A. S. Snow, U. S. Navy,

Saturday May 17th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
clear and cool, light breze and light airs from N. N. E.

J. J. Newton
Lieut U.S.N.

4 to 8 A.M.
Clear and pleasant dry haze, light airs from N. N. W.-to N. Scrubbed hammocks Received on board for use of crew 118¾ lbs each fresh meat and vegetables and 90 lbs fresh bread. At 7.45 made signal Int 5 4 5 5 and 904 and towed sail

Geo. F. W. Holman
Lieut U.S.N.

8 A.M. to Meridian
clear and pleasant, light airs and light breze from S and S.W. Crew engaged in cleaning ship. Received on board stores in Equipment and Construction Dept. Sent party in charge of an Officer for shot and empty shell. At 11.40 made signal Int 4 2 6, Vermont answered 904 At 11.50 furled sail. Sent and fitted from topmast Stay sail, unbent it and stowed it below. The following men absent without leave John Parker C.T.C. H. O'Connor C.T. Frank Crawford C.H. Navy Yard workmen at work on board as follows Painters U.S. Coast Survey Str Blake left the Navy Yard. Issued salt meat to firemen mess, the fresh meat furnished by the contractor not being good.

J. H. Wetherington
Ensign U.S.N.

Meridian to 4 P.M.
Clear and pleasant light to gentle breze from S.W. At 12.00 made signal Int. 3918 and 904 At 1.30 hands to quarters to turn in clean hammocks. Engaged in reaving on board from launch alongside stores in Ordnance Dept. Sent a liberty party ashore.

Geo. F. W. Holman
Lieut U.S.N.

4 to 8 P.M.
Partly clear and cloudy light airs to gentle breze from S.W.

J. H. Wetherington
Ensign U.S.N.

8 P.M. to Mid.
clear and cool, gentle breze from N.W. and W.N.W.

Geo. F. W. Holman
Lieut U.S.N.

Examined and found to be correct.

L. K. Lunsford
Lieut & Navigator.

LOG of the UNITED STATES Steamer Essex , 3rd Rate,

Navy Yard New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Moored at dock	N. N. W.	2			No instru-		59	57		b	none	10	
2				Navy Yard N. Y.	"	2			ments on		59	57		"	"	10	
3				"	"	2			board		57	53		"	"	10	
4				"	"	2					57	53		"	"	10	
5					N. E.	1					56	53		b. c	cir	2	
6					"	1					56	52		"	"	2	
7					E.	1					57	54		b. m	none	10	
8					E.	1					58	52		"	"	10	
9					N. E.	1					58	53		b. c.	"	10	
10					S. S. E.	2					60	56		"	cir cum	2	
11					E.	2					61	57		"	cum	10	
Noon.					"	2					62	57		"	"	10	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.									
1			E.	2			64	b. c	cir	3
2			"	2			64	"	"	3
3			S. S. E.	2			65	"	"	5
4			"	2			64	"	"	3
5			"	2-4			63	b. c q.	"	3
6			"	2-4			63	"	"	5
7			"	2			61	f. c	"	3
8			"	2			60	"	"	3
9			"	1			60	f.	none	10
10			"	1			61	"	"	10
11			E.	1			60	f. c	cum	2
Mid.			"	1			60	"	"	2

under the command of Commander A. S. Snow, , U. S. Navy,
Sunday May 18th, , 1890 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
clear and cool, light breze from N.N.W.

J. D. Ecklington
Ensign U.S.N.

4 to 8 A.M.
clear and pleasant misty along horizon, light airs from N.E. shifting to S.
Received in Pay Dept. 118¾ lbs fresh meat, 118¾ lbs fresh vegetables and 95 lbs soft bread.

F. H. Wilcox
Lieut U.S.N.

8 A.M. to Meridian
clear and pleasant, light airs to light breze from N.E hauling to E. At 9 30 mustered and inspected the crew at quarters. Absentees John Parker C to C, W. O'Connor 10 F and F. Crawford C.H. Sent a church party to the 'Vermont' Sent a liberty party ashore, Sent the dinghy to the rescue of a capsized sail boat hauling three of the party out of the water, one of whom was in imminent danger of drowning

Geo F. W. Holman
Lieut U.S.N.

Meridian to 4 P.M.
clear and pleasant, light breze from E. to S.S.E.

F. H. Wilcox
Lieut U.S.N.

4 to 8 P.M.
clear and pleasant light breze from S.S.E. with occasional moderate squalls first part of watch. Sent a church party to the 'Vermont'

Geo F. W. Holman
Lieut U.S.N.

8 P.M. to Mid.
clear first two hours, overcast and cloudy last two hours, Light airs from S.S.E. shifting to E at about 10 P.M.

F. H. Wilcox
Lieut U.S.N.

Examined and found to be correct.

Le. K. Lewton
Lieut. U.S. Navigator.

LOG of the UNITED STATES Steamer Essex , 3d Rate,

Navy Yard, New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	Air, Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Moored at dock	E.S.E.	1			29 inches		59	57		fair	none	10	
2				Navy Yard, N.Y.	S.E.	2			merts one		58	57		o.c.	cum	0	
3					"	2			board		57	56		"	"	0	
4					N.N.E.	2					59	57		"	"	0	
5					E.S.E.	1					60	58		"	"	0	
6					"	1					60	59		"	"	0	
7					S.E.	1					61	60		foggy	"	0	
8					"	2					62	61		"	"	0	
9					S.S.E.	2					63	62		o.c.f.	"	0	
10					"	2					63	62		"	"	0	
11					S.E.	2					60	63		"	"	0	
Noon.					"	2					66	64		o.c.	"	0	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ′ ″
- Longitude by D. R. ° ′ ″
- Latitude by observations of ⊙ ° ′ ″
- Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Position at 8 P. M.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.							
1	S.E.	2	66	60	f.c	cum	2
2	S.	1	67	66	o.c.r.	nim	0
3	S.S.E.	2	67	60	o.c.	cum nim	0
4	"	2	66	65	f.c	"	3
5	"	3	67	64	"	cir cum	3
6	"	3	67	64	"	"	3
7	"	2	66	64	"	"	3
8	"	2	67	64	"	"	2
9	S.	1	66	64	f.w	None	10
10	S.S.W.	2	66	64	f.m.w	"	10
11	"	2	66	60	"	"	10
Mid.	"	2	65	64	o.o.m	Cu cum	6

under the command of Commander A. L. Snow, U. S. Navy,

Monday May 19th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends 4 am.

Hazy, clouding over, light airs to light breze from S.S.E. to S.E.

Geo. F. Holman
Lieut U.S.N.

4 to 8 Am.

Overcast, foggy at times light airs and light breze from Ed. Hoisted out launch, Hoisted Sub boat at 7.50 Vermont answered and hoisted 90#. Crossed royal yards. Received in Pay Office 90 lbs soft bread. Workmen from the yard on board from Construction 1 joiner & painter

J. T. Newton
Lieut U.S.N.

8 Am. to Meridian

Cloudy and foggy, light breze from S.S.E. to E.S.E. At 9.30 mustered and inspected at quarters. Johan Parker C.F.C., Wm. O'Connor C.T., & Frank Crawford C.H. absent without leave At 9.40 held Divs Parade and then dismissed companies. Fitted topsail gear in steam launch Getting ice in, & hoisted aboard. U.S.T.B. Minnesota came in and moored to Ordnance dock

F. A. Wilner
Lieut U.S.N.

Meridian to 4 Pm.

Overcast light airs and light breze from Ed, raining in showers Received 1 and 3 Fitting boats gripes Yard workmen from Construction 3 painters, 1 carpenter

J. T. Newton
Lieut U.S.N.

4 to 8 Pm.

Partly cloudy pleasant weather, light to gentle breze from S.S.E. At 6 made Sub 6 1/4 0 Vermont unrigged 90#, sent down royals and t'gallt yards, and t'gallt masts time 6h. 30m.

F. A. Wilner
Lieut U.S.N.

8 Pm. to Mid

Clear, overcast last hour light airs and light breze from S. and S.S.W.

J. T. Newton
Lieut U.S.N.

Examined and found to be correct.

L. K. Lewis
Lieut U.S.N. Navigator.

LOG of the UNITED STATES Steamer Erie , 3d Rate,

Navy Yard New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Moored at dock	SSW	2			30 instru-		66	60		o.c m	cir cum	0	
2				Navy Yard NY	"	3			ments on		60	64		"	"	0	
3				"	"	3			board		60	64		"	"	0	
4				"	"	2					66	60		"	"	0	
5				"	"	2					60	64		o c f	"	0	
6				"	"	1					64	63		"	"	0	
7				"	"	2					64	63		o c	"	0	
8				"	"	3					60	64		o.c m	cir	0	
9				"	"	3					60	64		"	cir cum	0	
10				"	"	3					60	64		"	"	0	
11				"	"	2-4					60	66		o c g. p.	rim	0	
Noon.				"	"	2-4					64	63		"	"	0	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.								
1			N 11-	2		64 62	o cr	nim
2			"	2		60 09	"	cum nim
3			"	3		60 07	o c	"
4			"	4		09 08	h c	"
5			"	4		60 08	"	"
6			"	4		09 07-	"	"
7			"	4		09 07-	"	cir cum
8			"	4		07 07-	"	"
9			"	4		07 07-	"	"
10			"	3		07 07-	"	"
11			"	2		07 07-	"	cum
Mid.			"	2		07 07	"	"

under the command of Commander A. S. Snow, U. S. Navy,

Tuesday May 20th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.

Overcast; damp; light to gentle breeze from S.S.W.

F. H. Brewer
Lieut U.S.N.

4 to 8 a.m.

Overcast cloudy and foggy, misty during last hour; light airs to gentle breeze from S.S.W. Scraping spars, bent light sails. At 7 to make signal Sts 60 69 Vermont answ 904 At 8 sent up t'gallt masts and crossed t'gallt and royal yards. Received on board 115 lbs fresh beef 115 lbs fresh vegetables and 92 lbs soft bread. U.S. Tug Fortune left the yard about 8 o'clock

J. H. Hetherington
Ensign U.S.N.

8 a.m. to Meridian

Overcast, raining frequently in heavy showers 1st part from S.S.W. gentle to light. M. McCarthy C.H. absent over time, returning at 10.30, 2 hrs over time. Sent down light yards and fore t'gallt mast in order to have a smaller band fitted for the royal rigging. Patients from Construction began work, but were unable to continue on account of the rain. At 10.10 Vermont fired a salute of 11 guns. Frank Crawford C.H. Johan Parker C.F.C. Wm. O'Connor 1 C.F. having been absent 10 days were declared deserters.

J. F. Newton
Lieut U.S.N.

Meridian to 4 p.m.

Overcast and cloudy with rain during first two hours. Light to moderate breeze from N.W. Getting on board stores in Equipment and Engineers Dept. Pumped ship out. Got up steam in steam launch to dry her and hauled fires. 6 painters 1 boy and 1 joiner at work on ship

J. H. Hetherington
Ensign U.S.N.

4 to 8 p.m.

Clear and pleasant moderate breeze from N.W. Mustered at quarters, same absentees as in fore noon watch

J. F. Newton
Lieut U.S.N.

8 p.m. to Mid

Clear and pleasant light to moderate breeze from N.W. New Moon.

J. H. Hetherington
Ensign U.S.N.

Examined and found to be correct.

C. K. Lewis
Lieut & Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

Navy Yard New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Moored at dock	N. 11-	1			In instru.	58	58			b	none	10	
2				Navy Yard N.Y.	"	1			ments on	58	58			"	"	10	
3					"	1			board	58	58			"	"	10	
4					"	1				58	58			b. c	cum	9	
5					"	2				58	58			"	cir cum	8	
6					"	2				58	57			b. m	none	10	
7					N. N. W.	3				57	60			"	"	10	
8					N	3				57	57			b	cir cum	10	
9					N. N. E.	3				58	58			b. c	cir	9	
10					"	3				58	58			"	cir str	8	
11					"	3				58	57			"	cir cum	8	
Noon.					"	3				60	58			"	"	8	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.																	
1						N. E.	1				61	56		b. c	cir cum	9	
2						"	1				63	57		"	"	9	
3						"	1				60	59		"	"	9	
4						E. S. E.	1				60	59		"	cir	7	
5						E. by E.	2				66	60		"	"	8	
6						"	2				60	60		"	"	8	
7						"	2				62	59		"	"	8	
8						"	2				63	59		"	"	8	
9						E	1				60	58		b	none	10	
10						"	1				60	57		"	"	10	
11						"	1				60	57		"	"	10	
Mid.						"	1				60	57		"	"	10	

under the command of Commander A. S. Snow, U. S. Navy,

Wednesday May 21st, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
clear and pleasant light airs from N. W.

J. W. Nelson
Lieut U.S.N.

4 to 8 a.m.
clear and pleasant; light to gentle breeze from Mid + 1st. Executed morning orders. At 7.45 made signal 54 05 to Vermont; it was answered by 90 + Vessel sail as required in Bay Depts 92 lbs fresh bread.

D. M. Stone
Ensign U.S.N.

8 a.m. to Meridian
Clear and pleasant, gentle breeze from N N E. At 9.30 Mustered and inspected crew at quarters and exercised 1st + 2nd Divisions as Infantry, Marine Guard small arms. At 10.40 started fires in steam launch. Received on board 7 tons hard coal for steaming purposes. Commander A. S. Snow U.S.N. returned from leave. By order of the Comdg Officer the following changes in rating was made J. H. Spears sea 4th cl. from May 16th. Jno Allen Apl 4th to Capt of Forecastle from May 10th; Chas. Smith Capt of the Forecastle to Cpl from May 14th; Chas Laird from sea 4th Capt of Top from May 16th. The Comdg Officer appointed a board consisting of Lieuts Bleaker and Howland and Ensign Stone in accordance with Section I page 96 U. S. Navy Regulations. The following yard workmen at work on ship 2 machinists, 1 shipwright, 1 helper, 1 joiner, 1 plater. Field turned ebb at 11.55.

J. W. Stathington
Ensign U.S.N.

Meridian to 4 p.m.
Clear and pleasant; light airs from N.E. to S.S.E. At 12.07 made signal 4 26 to Vermont and 90 + furled sails at 1.05. Finished turning in rigging at topgallants mast heads and fidded fore topgallant mast. Receiving water on board. The following workmen at work on board, 6 machinists, 1 painter from Construction Dept, 1 shipwright and helper from Construction, 1 iron plater, 1 joiner from Construction Dept. T. Atsakin (Appl) given anchor watch for one night; Chas Smith Cpl reduced to 3rd class. Nicholas Gibney (Ord) cautioned; Mach Mc Carthy C.H. 3 days extra duty and reduced to 2nd class. H. J. Molinero (Appl) cautioned. Wm Hilton (B.M.) cautioned.

D. M. Stone
Ensign U.S.N.

4 to 8 p.m.
Clear and pleasant light breeze from S. by E. Flood tide about 6 o'clock. Received on board 120 cu ft of fresh water

J. W. Stathington
Ensign U.S.N.

8 p.m. to Mid
Clear and pleasant; light airs from S.

D. M. Stone
Ensign U.S.N.

Examined and found to be correct.

Jno. V. Lewis
Lieut. U.S. Navigator.

LOG of the UNITED STATES Steamer Bear, , 3rd Rate,
Navy Yard, New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Moored at dock	S	1			30.30	68	59	55		b. w	hmm	10	
2				Navy Yard N.Y.	"	1			30.36	67	58	56		"	"	10	
3					N.E.	1			30.36	67	57	56		b. m. w	"	10	
4					"	1			30.35	65	57	56		b. c. m	cir. cir.	6	
5					"	1			30.35	63	57	56		b. c. m	cir. cum. a	2	
6					"	1			30.36	62	57	55		"	"	1	
7					"	1			30.37	61	57	56		"	"	1	
8					"	1			30.37	61	57	56		"	"	1	
9					"	1			30.39	62	59	56		b. c.	"		
10					"	1			30.36	62	60	57		"	"		
11					"	1			30.36	62	61	57		"	"		
Noon.					"	1			30.36	63	62	58		"	"		

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.										
1	N.E.	2	30.38	63	64	57	b. c	cir	8	
2	E.	2	30.38	63	64	58	"	"	8	
3	E	3	30.36	64	64	59	"	"	8	
4	"	3	30.36	66	60	60	"	"	8	
5	"	3	30.34	66	60	60	"	"	8	
6	"	3	30.34	66	60	60	"	"	10	
7	E. N.	1	30.33	66	64	59	"	"	8	
8	N. N. E.	1	30.33	69	63	59	"	"	9	
9	N.	1	30.34	68	63	59	b	none	10	
10	"	1	30.34	67	63	58	"	"	10	
11	N. N. E.	4	30.33	66	62	59	"	"	10	
Mid.	"	4	30.33	65	61	58	"	"	10	

under the command of Commander A. K. Snow, U. S. Navy,

Thursday May 22nd, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant. Heavy dew. Light airs from S. and W.B. Cob Code

J. M. Harrington
Ensign U.S.N.

4 to 8 A.M.

Hazy, light airs from W.B. Received on board for use of crew 110 lbs each of fresh meat and vegetables and 9½ lbs bread.

Jno. F. Holman
Lieut U.S.N.

8 A.M. to Meridian

Clear and pleasant, light airs from W.B. At 8.30 sent the men that are to take part in the Decoration day parade up into the yards for drill with the battalion, also the Marine Guard. Placed Lenehan C.H. under sentry's charge for coming on board under the influence of liquor. On the recommendation of the board of officers appointed for the purpose, the following changes of ratings were made by the Comdg Officer: Pelin Burke (OS) to Ben. T.S. Cleary (Ord) to O.S. both to be rated from May 22. The companies returned on board at 10.40.

P. McLaine
Ensign U.S.N.

Meridian to 4 P.M.

Clear and pleasant, light to gentle breeze hauling from N. to E.S. Drilled the companies in the School of the Company.

Jno. F. Holman
Lieut U.S.N.

4 to 8 P.M.

Clear and pleasant, gentle breeze and light airs from S. to N.N.W. At 6 mustered at quarters. Sent liberty party ashore. At 6.10 sent visiting party to Navy Dock. At 6.50 released Lenehan (C.H.) from sentry's charge, by order of Comdg Officer.

P. McLaine
Ensign U.S.N.

8 P.M. to Midt

Clear and pleasant, light airs from N.N.W. hauling to N.N.E. and increasing in force to moderate breeze.

Jno. F. Holman
Lieut U.S.N.

Examined and found to be correct.

L. R. Lewis
Lieut U.S.N. Navigator.

LOG of the UNITED STATES Steamer East, 3rd Rate,
Navy Yard, New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Moored at dock	N. N. E.	3			30.32	63	59	57		f. c	cum	10	
2				Navy Yard N.Y.	"	3			30.33	65	58	55		"	"	10	
3					"	2			30.32	65	57	54		"	"	10	
4					"	2			30.30	65	56	53		"	"	10	
5					"	2			30.31	64	56	52		"	cir	9	
6					"	2			30.31	64	53	52		"	"	9	
7					"	2			30.33	61	56	52		"	"	9	
8					"	1			30.29	61	57	53		"	"	8	
9					N. E.	2			30.28	63	57	54		"	"	2	
10					"	2			30.28	65	59	55		"	"	2	
11					"	2			30.26	65	61	57		"	"	2	
Noon.					S. S. W.	2			30.26	67	61	57		f. c	cir cir	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.																	
1					S. S. W.	2			30.26	67	61	57		0. c.	cir cir	0	
2					S. S. E.	2			30.24	67	63	58		f. c.	"	3	
3					S.	1			30.20	70	63	59		"	"	3	
4					"	1			30.20	69	63	59		"	"	3	
5					"	1			30.17	69	61	58		0. c.	cum	0	
6					"	1			30.16	69	60	58		"	"	0	
7					S. by E.	2			30.16	69	60	58		0	"	0	
8					S.	3			30.17	69	60	57		"	"	0	
9					"	1			30.17	70	60	57		"	"	0	
10					"	1			30.17	71	60	57		"	"	0	
11					S. W.	1			30.17	71	60	57		"	"	0	
Mid.					"	1			30.16	70	60	58		"	"	0	

under the command of Commander A. L. Snow, U. S. Navy,

Friday May 23rd, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
clear and pleasant; light to gentle breze from N. N. E.

A. MacLaine
Ensign U.S.N.

4 to 8 A.M.
clear and pleasant, light breze to light airs from N. N. E. Received 92 lbs soft bread in Pay Dept. Cleaned bilges. At 6.50 made Sail 61 Vermont and 90 at 7 crossed Gaffs yards.

F. H. Wilmer
Lieut U.S.N.

8 A.M. to Meridian
clouding over, light breze from N.E. shifting East hour to S.S.W. At 8.20 sent the companies and officers assigned to duty on Decoration Day, ashore for drill Companies returned at 10 o'clock At 10.35 went to general quarters, tested the magazine and shell room flood cocks. The following punishments were adjudged by the Duty Officer C. Boothby (O.S) and J. Johnson (O.S) 2 days extra duty each for leaving dirty bags laying around the deck D. F. Lenehan C.M.A. under the influence of liquor to such an extent, that he was unable to perform his duties, reduction to 3rd class; T.H. Greenhalgh C.M.A. for repeated absence from quarters, five days confined on bread and water

Jno. F. Hohman
Lieut U.S.N.

Meridian to 4 P.M.
cloudy, light breze to light airs from S.S.W. to S.S.E. At 2 made Sail 390 Vermont and 904 Lincoln making, reefing and furling sail. At 2.30 made Sail 61/40. Vermont made 904 sent down Gaff yards and masts and fitted funnels. One newsboy missing after morning drill

F. H. Wilmer
Lieut U.S.N.

4 to 8 P.M.
Overcast, light drizzle first part of watch. Light to gentle breze from S and S by E. Sent a liberty party ashore Sent a visiting party to the Minneapolis

Jno. F. Hohman
Lieut U.S.N.

8 P.M. to Mid
Overcast and damp. Light airs from S. to S.W.

F. H. Wilmer
Lieut U.S.N.

Examined and found to be correct.

L. K. Lewis
Lieut U.S.N. Navigator.

LOG of the UNITED STATES Steamer Essex , 3rd Rate,

Navy Yard, New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Moored at dock	S.W.	1			30.18	69	60	07		0	cum. nim	0	
2				Navy Yard N.Y.	"	1			30.18	68	60	07		"	"	0	
3					Calm	0			30.18	68	60	07		"	"	0	
4					"	0			30.18	68	60	07		"	"	0	
5					"	0			30.14	67	60	07		"	cir. str.	0	
6					S.	1			30.14	67	61	07		"	"	0	
7					"	1			30.18	67	60	07		"	"	0	
8					"	1			30.18	67	61	07		"	"	0	
9					S.S.W.	1			30.16	66	62	60		"	"	0	
10					W.	1			30.16	67	62	60		"	"	0	
11					W.N.W.	2			30.16	67	64	61		h.c	cir. cum.	4	
Noon.					"	2			30.16	67	68	61		"	"	7	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.											
1			W.N.W.	1	30.14	70	69	64	h.a	cum	1
2			"	1	30.14	70	71	66	"	"	7
3			S.	3	30.18	70	71	66	"	"	8
4			"	3	30.18	68	70	67	"	"	8
5			S.S.W.	2	30.14	68	69	66	h	Nim	10
6			"	2	30.16	67	68	65	"	"	10
7			"	2	30.14	66	66	64	"	"	10
8			"	2	30.16	69	66	64	"	"	10
9			"	1	30.16	70	66	64	h.a	cum	9
10			"	1	30.16	71	66	64	"	"	8
11			"	1	30.16	70	64	63	"	"	9
Mid.			"	1	30.20	69	63	63	"	"	9

under the command of Commander A S Snow, U. S. Navy,

Saturday May 24th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 Am
cloudy, light airs from S.E. first part of watch, calm latter part.

Judge H.C. Hobart
Lieut U.S.N.

4 to 8 Am
Overcast, calms and light airs from S. Barometer steady. Hoisted Ens 6 1/2 A at 7.45 Vermont answered and hoisted 90 A sent up Gaff mast and crossed Gaff yds Received on Bay Depts 110 lbs fresh beef. 110 lbs fresh vegetables. 92 lbs soft bread.

J.T. Newton
Lieut U.S.N.

8 Am to Meridian
cloudy, clearing last two hours; light airs to light breze from S. thickly to 11 A.M. 11 A during last two hours. At 9.30 mustered and inspected crew at quarters. Aired bedding.

F.A. Wilmer
Lieut U.S.N.

Meridian to 4 Pm
Bright and pleasant, light airs from N.N.W. and quite breze from S. Received from the U.S.S. Vermont, 1 seaman - 2 landsmen - 1 first class fireman with bags and hammocks, but without their accounts or discription lists. John Johnson (05) and Chas Boothby (08) served 2½ hours extra duty. A. H. Lee Pole Vaulter was transferred to the U.S. Naval Hospital

J.T. Newton
Lieut U.S.N.

4 to 8 Pm
clear, warm and pleasant; light breze from S.E. to N.

F.A. Wilmer
Lieut U.S.N.

8 Pm to Mid
clear and pleasant. Barometer steady rising last hour, light airs from S.E. to N.

J.T. Newton
Lieut U.S.N.

Examined and found to be correct.

Le. K. Lewis
Lieut U.S.N. Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

Navy Yard New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Moored at dock	S	1			30.22	68	63	62		b.c.w	cumu	8	
2				Navy Yard N.Y.	"	1			30.22	69	61	60		"	"	8	
3					"	2			30.21	69	61	61		b.w	Nimbus	10	
4					"	2			30.21	69	61	61		o.c	cumulus	0	
5					S.S.E	3			30.14	66	60	60		"	"	0	
6					"	3			30.14	66	59	59		"	"	0	
7					"	3			30.14	65	57	57		"	"	0	
8					S.E	3			30.14	65	56	56		0	"	0	
9					"	2			30.21	66	59			b.c	cumu	1	
10					"	3			30.29	67	60			"	"	3	
11					"	3			30.29	67	62			o.c	"	0	
Noon.					"	3			30.29	67	63			"	"	0	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.									
1	S.S.E.	3	30.29	67	63	62	o.c	cirrus	0
2	"	3	30.28	68	64	63	b.c	"	3
3	"	3	30.28	68	65	64	"	"	2
4	"	4	30.28	68	65	64	"	"	4
5	"	4	30.28	67	64		"	"	6
6	"	4	30.29	67	64		"	"	6
7	S.S.E.	3	30.30	70	62		"	"	6
8	"	2	30.29	71	61		"	"	6
9	"	2	30.29	71	59	59	"	cirr	8
10	"	2	30.30	71	59	57	"	"	8
11	S.S.E.	2	30.30	72	60	58	o.c	cirrus	0
Mid.	"	3	30.30	72	60	58	"	"	0

under the command of Commander A. S. Snow, , U. S. Navy,

Sunday May 25th , 1890 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM
clear first three hours, cloudy last hour, light airs to light breze from E

Lieut U.S.N.

4 to 8 AM
Overcast and cloudy gentle breze from S.S.E Receive on board 110 lbs fresh beef, 110 lbs fresh vegetables and 92 lbs soft bread for use of crew.

J. A. Hetherington
Ensign U.S.N.

8 AM to Meridian
cloudy or overcast Barometer rising, light to gentle breze from S.E. At 10 Comdg Officer inspected the ship, the crew at quarters. 11. Gaffney (painter) absent without leave. 1st Lieut H.C. Fiske U.S.M.C. was granted 6 days leave of absence from the 26th

J. T. Abbott
Lieut U.S.N.

Meridian to 4 PM
Cloudy and pleasant gentle to moderate breze from S.S.E. Sent liberty party ashore Tide turned ebb at 2. o'clock.

J. A. Hetherington
Ensign U.S.N.

4 to 8 PM
Clear and pleasant, moderate to gentle breze from S.S.E Barometer steady

J. T. Abbott
Lieut U.S.N.

8 PM to Mid
Clear during first part, then cloudy and overcast. Light breze from S. and S.S.E

J. A. Hetherington
Ensign U.S.N.

Examined and found to be correct.

Lieut. U.S. Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,
Navy Yard New York.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	Air, Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Moored at dock	S.S.E.	3			30.29	70	60	58		h.c	cir cum	2	
2				Navy Yard N.Y.	"	3			30.28	69	60	58		"	"	2	
3					S.S.E.	3			30.28	68	60	58		o.v	cirrus	0	
4					"	3			30.28	67	60	58		"	"	0	
5					"	3			30.29	68	60	58		"	"	0	
6					"	3			30.29	66	61	58		"	"	0	
7					"	3			30.28	65	60	57		"	"	0	
8					S.S.E.	2			30.27	65	60	57		"	"	0	
9					"	3			30.28	66	61	57		o.m.a	"	0	
10					"	3			30.28	66	61	57		"	"	0	
11					"	3			30.27	65	62	60		o.c.m.	cum	0	
Noon.					"	3			30.22	65	62	60		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ′ ″
- Longitude by D. R. ° ′ ″
- Latitude by observations of ⊙ ° ′ ″
- Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Position at 8 P. M.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 160 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 20-40 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.												
1			S.E.	3	30.21	66	62	60	h.c	cum, nim	3	
2			"	4	30.18	66	63	61	"	"	3	
3			"	3	30.17	67	63	61	h.c.d	"	2	
4			"	3	30.16	66	63	61	"	"	2	
5			S.S.E by E.	3	30.16	66	63	61	o.c.z.	nim	0	
6			"	2	30.14	68	63	61	"	"	0	
7			"	2	30.14	69	63	62	"	"	0	
8			"	2	30.14	70	64	62	"	"	0	
9			S.S.E.	2	30.13	69	64	63	"	"	0	
10			"	2	30.11	69	65	63	"	"	0	
11			S.	2	30.11	70	65	63	"	"	0	
Mid.			"	2	30.10	70	65	64	"	"	0	

under the command of Commander A. S. Snow, U. S. Navy,

Monday May 26th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Cloudy, overcast, rainy. Barometer steady, Gentle breeze from S.S.E.

J. T. Nicholson
Lieut U.S.N.

4 to 8 A.M.
Overcast cloudy. Gentle to light breeze from S.S.E. Executed morning orders. Paid in Pay Dept 97 lbs fresh bread.

O. McKitrick
Ensign U.S.N.

8 A.M. to Meridian
Overcast, cloudy and misty drizzly rain during first two hours. Gentle breeze from S.E. Flood tide at 9.30. Inspected crew at quarters. Mr. Gaffney (painter) absent without leave. At 10 exercised at "Fire Quarters" and "Abandon Ship" At 11.30 secured.

J. H. Hetherington
Ensign U.S.N.

Meridian to 4 P.M.
Cloudy with drizzly rain third hours. Gentle to moderate breeze from S.E. Exercised the Navigators div. at machine guns. Paid on board stores in Navigators Dept, ships stores and Paymasters stores. Received on board 470 Gals water. R. F. Dodge (2nd Mate) returned on board 6½ hours overtime.

O. McKitrick
Ensign U.S.N.

4 to 8 P.M.
Overcast, cloudy and rainy. Light breeze from S.E. by E. At 7.10 made signal Int. 6143 "Vermont" and at 9 at sunset sent down top gallant yards. On recommendation of Board and by order of Comdg Officer, relieved J. McKeon (Ldg.) of Carpenter from May 20th Black Low water at 8 o'clock.

J. H. Hetherington
Ensign U.S.N.

8 P.M. to Mid.
Overcast, cloudy and rainy light breeze from S.S.E. to S.

O. McKitrick
Ensign U.S.N.

Examined and found to be correct.

H. K. Lemly
Lieut-C. Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,
Navy Yard, New York.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Moored at dock	S.	2			30.11	70	66	63		o c r	nim	0	
2				Navy Yard N Y	"	2			30.10	68	64	63		"	cir nim	0	
3					"	2			29.98	68	64	63		"	"	0	
4					"	2			29.98	68	64	63		"	"	0	
5					"	2			29.97	67	64	63		"	"	0	
6					"	2			29.96	67	64	63		"	"	0	
7					"	2			29.95	67	64	63		o	"	0	
8					"	2			29.95	67	64	63		"	"	0	
9					"	1			29.94	68	65	64		"	"	0	
10					N. N. W.	1			29.94	70	66	64		"	"	0	
11					"	1			29.93	71	66	65		"	"	0	
Noon.					N. N. W.	2			29.92	70	67	65		l c	cir cum	3	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 180 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2360 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.											
1			N. N. E.	2	29.92	70	67	60	l c	cir cum	3
2			"	2	29.91	70	69	66	"	"	3
3	Standing down		"	2	29.90	70	71	66	"	"	3
4	East river and		E.	2	29.87	70	70	67	"	"	1
5	New York bay		N. E.	1	29.87	70	71	67	"	"	4
6			"	2	29.87	72	73	63	"	"	6
7			N. N. W.	2	29.88	71	71	64	"	cum str	8
8			"	2	29.88	74	69	63	"	cum	8
9			"	1	29.94	76	68	62	l	none	10
10			"	2	29.95	76	67	60	l c	cum	9
11			"	2	29.95	76	66	60	"	"	6
Mid.		Flood	"	4	29.96	72	64	07	"	"	7

under the command of Commander A S Snow, U. S. Navy,

Tuesday May 27th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast cloudy and rainy, light breze from S.

J. M. Hetherington
Ensign U.S.N.

4 to 8 A.M.

Overcast raining first part, light breze from S, variable between S by W. and S by E. Last hour. Barometer falling. Rec'd on board for list of crew 121¼ lbs each of fresh beef and veg stables, and 97 lbs soft bread. Cleaned bilges forward.

Jas. H. Holman
Lieut U.S.N.

8 A.M. to Meridian

cloudy first three hours, clearing last hour, light airs to gentle breze from W. and N. W. At 10 sent companies up to drill with the battalion. Wm Gaffney (painter) absent from ship without permission. By order of Comdg Officer released Thos Gunn Cox'n (C.H.) from confinement. Companies returned on board at 11.15 Housed the 3d gallant masts, and made preparations for leaving the dock. Started fires in three boilers Nos 2, 3 & 4 at 9 A.M.

C. M. Stone
Ensign U.S.N.

Meridian to 4 P.M.

clear and pleasant light breze from N. hauling to S. At 2.20 called all hands "muster ship" and at 2.30 cast off moorings and left the wharf. Steamed down Port river and the bay, sending up top-gallant masts after passing under Brooklyn Bridge. At 3.50 let go the starboard anchor in 12½ fathoms of water, soft muddy bottom, veering 45 fms on the chain. Bearings from anchorage (1. c.) Flag staff at Quarantine Station S by W. and W. ½ W. point of Fort La Fayette S.E. Ships draft forward 13' 9" amidships 14' 0", aft 16' 6". Banked fires. Exchanged numbers with the Pensacola at anchor off Staten Island. At 3.40 made signal Ent 12 11 Aside 90 At 3.55 hoisted out the steam launch. Rec'd on board from the Vermont Manuel Rodrigues (1 Ldo)

Jas. H. Holman
Lieut U.S.N.

4 to 8 P.M.

Partially cloudy, light airs to light breze N. E. and N. N. W. Paymaster W. W. Barry left the ship on ten day leave of absence. Fires banked.

P. M. Stone
Ensign U.S.N.

8 P.M. to Mid

clear and pleasant light airs increasing in force to moderate breze from N. N. W. At 11.05 commenced swinging to flood. At end of watch between wind and tide

Jas. H. Holman
Lieut U.S.N.

Examined and found to be correct.

W. K. Lewis
Lieut U.S.N. Navigator.

LOG of the UNITED STATES Steamer Bell, 3rd Rate,
New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				Ships head													
1				S	N. N. W.	3			29.96	69	65	59		b	none	10	
2				"	"	3			29.97	67	64	59		"	"	10	
3				S. W.	"	2			29.96	67	63	57		"	"	10	
4			Obs	N	"	2			29.96	67	61	57		"	"	10	
5				N. N. W.	N. W.	2			29.95	67	61	56		"	"	10	
6				"	"	2			29.96	66	59	58		"	"	10	
7				"	"	3			29.96	66	60	58		"	"	10	
8				"	"	3			29.98	64	61	56		"	"	10	
9				"	"	4			29.98	69	64	58		"	cum	9	
10				"	"	5			30.01	70	64	56		"	"	9	
11				"	"	5			30.01	68	65	56		"	"	9	
Noon.				"	"	5			30.00	69	65	56		"	"	9	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″
Latitude by observations of ⊙ ° ′ ″
Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.: Latitude by ° ′ ″
Longitude by ° ′ ″

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 270 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2090 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.													
1	Flood	N. N. W.	N. W.	5	30.00	69	66	57	l. c	cum	9		
2		N. N. E.	"	5	29.99	70	67	59	"	"	8		
3		E by S	N. N. W.	5	29.98	70	67	59	"	"	8		
4		W. S. W.	"	5	29.97	70	68	60	"	"	6		
5		Steaming up the	"	5	29.95	70	69	60	"	"	6		
6			"	5	29.96	70	68	58	"	"	8		
7		bay and up	"	5	29.98	70	65	59	"	"	7		
8		North river	"	4	29.99	70	64	58	"	"	7		
9	Ebb	Ships head N. W.	N. W.	2	30.08	72	64	59	"	"	4		
10		"	"	2	30.08	72	62	58	"	"	2		
11		"	"	2	30.08	72	62	58	"	"	2		
Mid.		"	"	2	30.08	72	62	58	"	cu cum	6		

under the command of Commander A. S. Snow, U. S. Navy,

Wednesday May 28th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Clear and pleasant, light & gentle breze from N.N.W. Fires banked

D McClone
Ensign U.S.N.

4 to 8 A.M.
Clear and pleasant, light & ~~moderate~~ breze from N.W. At 7.55 working party in charge of Lieut C.K. Curtis left this ship for Fort Wadsworth to load powder lighter.

F.F. Wilcox
Lieut U.S.N.

8 A.M. to Meridian
clear and pleasant, moderate to stiff breze from N.W. Ebb tide Working party as pr mag as in magazine loading lighter.

Jno H.W. Hollman
Lieut U.S.N.

Meridian to 4 P.M.
Clear and pleasant, stiff breze from N.W. to N.N.W. Ship commenced swinging to flood tide at about 1 P.M. and lay across tide remainder of watch. Discharged powder lighter. Read allowance of powder, shell and fixed ammunition.

F.F. Wilcox
Lieut U.S.N.

4 to 8 P.M.
Clear and pleasant, stiff to moderate breze from N.N.W. At 4.20 spread fires, and made signal Ent 890, not answered. At 4.30 the "Yantic" came down the bay and the "Pensacola" got underway and stood up the bay. At 5 got up the anchors and stood up the bay and North River to the foot of 55th street. Present in the North River "Pensacola" off 43 St. (approximately) and the "Jamestown" off 35th St. (approximately) Exchanged numbers with the Pensacola. 959 At 6.30 made signal Ent 1211, and at 6.40 let go the starboard anchor in 7 fms, soft bottom, veering 45 fms on the chain. Bearing from anchorage p.c. Liberty S.S.W. 1/2 W.; South spire Catholic Cathedral S.S.E. 1/2 E. Ships draft forward 18.11, and aft 15 aft 16.6. Made signal Ent 212 and said 904 Banked fires. A representative of the N.Y. Tel Co. came aboard and made statement that we had anchored on the line of telegraph cable crossing. The Comdg Officer boarded the "Pensacola" and received permission to ships over berth. At 7.30 spread fires and at 7.40 called "all hands up anchor"

Jno H.W. Hollman
Lieut U.S.N.

8 P.M. to Mid.
Partly cloudy with bright moonlight, light breze from N.W. Hove up starboard anchor and found it foul of three telegraph cables two of which were broken before they could be cleared. Cleared the anchor and at 8.05 anchored off 39th St with starboard anchor in 7 fms, soft bottom, veering 45 fms chain. Banked fires. Bearings from anchorage. Liberty S.S.W. W 1/2 W. (true) + Chimney of Elevator at 62nd St. S 1/2 E 3/4 E (true)

F.F. Wilcox
Lieut U.S.N.

Examined and found to be correct.

C.K. Curtis
Lieut-C. Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,
New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Ships head													
A. M.																	
1			Log	N. E. by N.	N. N. W.	3			30.10	70	60	57		L. C.	cum.	10	
2			"	W. N. W.	"	3			30.10	69	59	56		"	"	10	
3			"	S. W.	"	2			30.11	67	59	56		"	"	10	
4			"	"	"	3			30.11	66	59	56		"	"	10	
5			"	"	"	3			30.12	64	58	54		"	"	9	
6			"	"	"	3			30.13	64	58	54		"	"	9	
7			"	"	"	3			30.16	60	59	56		"	"	9	
8			Log	"	"	3			30.16	66	61	57		"	"	9	
9				N. E. by N.	"	2			30.16	66	64	58		"	"	9	
10				"	"	2			30.15	68	66	59		"	"	9	
11				"	N. N. E.	2			30.14	68	67	59		"	"	9	
Noon.				"	"	2			30.13	69	67	61		"	"	9	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 210 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1880 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.												
1		N. E by N.	N. N. E.	2	30.11	70	68	62	L. C.	cum.	9	
2		"	"	2	30.09	70	69	62	"	"	8	
3	Flood	S. W.	"	2	30.06	70	70	63	"	"	8	
4		"	"	1	30.07	71	74	65	"	"	8	
5		S. W. by S.	S. S. E.	1	30.06	72	71	64	"	"	8	
6		"	E.	1	30.06	73	71	63	"	"	8	
7		"	S. E.	1	30.06	72	70	63	L. C. m.	"	9	
8	Ebb	S. W. by W.	"	1	30.08	73	69	63	"	"	8	
9		N. E. by N.	Calm	0	30.08	73	69	63	L. C.	"	8	
10		"	S. W.	1	30.08	74	68	63	"	cir. cum.	6	
11		"	"	1	30.08	73	67	62	"	"	8	
Mid.		"	"	1	30.08	73	64	61	"	"	6	

under the command of Commander A. S. Snow, U. S. Navy,

Thursday May 29th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Clear and pleasant gentle to light breze from N.N.W. At 1 commenced to swing to ebb, finished at 3

Jas. F. W. Rhodes
Lieut U.S.N.

4 to 8 a.m.
Bright and pleasant gentle breze from N.N.W. Barometer steady At 7.30 this ship hoisted Int 6144. "Pensacola" answered. "Pensacola" signaled 6370 at 7.30, this ship answd. (This signal 6370 is in one signal book and not in the other) "Pensacola" hoisted 3850 "Essex" answered, "Pensacola" 6390 - this signal is not in either signal book. "Pensacola" made 6144, this ship answered and crossed topsail yards. "Essex" made 3873 in answer to 6390 from Pensacola

J. J. Hudson
Lieut U.S.N.

8 a.m. to Meridian
Warm and pleasant weather; light breze from N.N.W. to N.N.E. At 9.30 inspected crew at quarters and exercised 1st div revolvers; 2d great guns; 3rd single sticks; ~~and small arms~~
4th Gaffney (painter) absent without leave, and by order of Comdg Officer a reward of $10 was offered for his arrest and delivery on board. The U.S.S. Yantic passed up the river and anchored off 12th St. Comdg Officer paid an official visit to the U.S.S. Pensacola

~~F. W. Rhodes~~
Lieut U.S.N.

Meridian to 4 p.m.
Bright and warm light breze from N.N.E. Barometer falling slowly At 12 made Tel. Signals 0935, 2905, 0681, 9319, 8874. "Pensacola" answered 5687. At 3.00 hoisted Int 4 P 0. "Pensacola" answered and hoisted 90 H. Began heaving in, preparatory to getting underway

J. J. Hudson
Lieut U.S.N.

4 to 8 p.m.
Warm and pleasant misty last two hours; light airs ranging from S.S.E. to E. At 4.15 called "all hands up anchor", got under way and at 4.45 anchored off 12th St, Riverside Park, near U.S.S. "Yantic" and "James Town", starboard anchor, 11 fms water, 45 fms chain Bearing from anchorage Flag Staff at Gen.l Grant's Tomb S. & E. 1/2 p.c. and North corner River View Hotel E.S.E. 1/2 E. 1/2 p.c. Banked fires Comdg Officer paid an official visit to U.S.S. "Yantic" and "James Town"

~~F. W. Rhodes~~
Lieut U.S.N.

8 p.m. to Mid.
Clear and pleasant Bright moonlight Calm and light airs from S.W.

J. J. Hudson
Lieut U.S.N.

Examined and found to be correct.

W. K. Lewis
Lieut Comdr Navigator.

LOG of the UNITED STATES Steamer East , 3d Rate,
New York Harbor.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky; in 10ths.	State of the Sea.
A. M.				Ships head													
1					S.W.	1			30.08	70	61	59		h. c	cum	8	
2					N.E.	2			30.07	70	60	58		o. c. f.	none	0	
3			Log		"	2			30.06	69	59	57		"	"	0	
4					"	1			30.06	68	57	56		"	"	0	
5				S.W. by S.	E.	2			30.06	67	59	57		f	"	0	
6				"	"	2			30.06	66	60	58		"	"	0	
7			Log	N.N.E.	N.N.E.	2			30.06	64	59	57		o. c. d	"	6	
8				"	N.E.	2			30.07	64	59	57		h. c.	cir. cum	6	
9				"	N.	2			30.07	60	60	57		"	"	3	
10				"	N.E.	2			30.06	67	63	58		"	"	2	
11				N.E. by N.	N.N.E.	2			30.06	67	65	59		"	"	3	
Noon.				"	"	2			30.06	69	68	61		"	"	4	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″
Latitude by observations of ⊙ ° ′ ″
Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″
Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″
Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 210 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1670 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.														
1			N.E. by N.	N.N.E.	2	30.05	69	68	62		h. c	cir. cum		4
2		Log	"	"	2	30.04	70	69	68		"	"		4
3			"	"	2	30.02	70	70	68		"	"		4
4			"	"	2	29.98	69	67	68		"	"		4
5			S. S. W.	S. S. W.	2	29.96	68	61	61		"	"		2
6			"	S.	2	29.96	68	60	61		"	"		6
7			S.	"	2	29.96	68	64	60		"	"		6
8		Log	S. by W.	"	3	29.96	68	64	61		"	"		6
9			S.W. by S.	"	3	29.96	70	66	62		h. c. m	"		6
10			"	"	2	29.97	70	66	62		"	"		8
11			S.W. by S. ½ S.	"	2	29.97	71	65	62		"	"		9
Mid.			"	"	2	29.97	70	64	62		"	"		8

under the command of Commander A. S. Snow, U. S. Navy,

Friday May 30th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
clear thin becoming foggy. light breze from S.E.

W Roy Mason Field.
Ensign U.S.N.

4 to 8 a.m.
Overcast cloudy foggy & drizzling rain during third hour. light breze from N.E. to E. At 6.00 Officers and two companies of ships crew and one company Marines left ship on U.S.Tug "Catalpa" to take part in Decoration day parade in Brooklyn. At 7.30 Pensacola made following signals 6878. 3860 & 8900 Ship commenced swinging to flood at 4 and finished swinging at 5

J. H. Hetherington
Ensign U.S.N.

8 a.m. to Meridian
Fair and pleasant light breze from N to N.E. At 10 Pensacola made Gen.l Signal 309 & amid and Cordiality Officers left the ship in obedience to Sig. Lt.-H. Wales (S.N.) and M. Gaffney (paintr) absent without leave.

Le. V. Lewis
Lieut U.S.N.

Meridian to 4 p.m.
cloudy and pleasant light breze from N.N.E. Barometer falling. The detachment of officers, sailors and marines returned at 2.30 At 3.00 Pensacola commenced firing minute guns At 3.55 commenced firing minute guns on the ship following the Yantic.

J. H. Hetherington
Ensign U.S.N.

4 p.m. to 8 p.m.
clear and pleasant. Barometer steady. Light breze from S.S.W. and S. Cased firing at 4.20 Expended in Ord Dept 52 - 12 oz. 3 in charges - 52 3 in cartridge bag. 100 metallic friction primers. Hoisted Ens & 190 Pensacola amid 90 & Got underway at 5.05 and stood down the river Anchored at 7.12 with the starboard anchor in 11 fms water, with 45 fms chain Bearings from anchorage (p.c.) Liberty Ty S. Flag staff on Ellis Isl. N.N.W.½W. Hauled fires

J. T. Newton
Lieut U.S.N.

8 p.m. to Mid
clear and pleasant hazy light breze from S. Bright moonlight Commenced swinging to ebb tide at 8 finished swinging about 9

J. H. Hetherington
Ensign

Examined and found to be correct.

Le. V. Lewis
Lieut U.S.N.
Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

New York Harbor

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				Ships Head													
1				N N E.	N-E N-	3			29.94	70	64	61		b. m. w.	none	10	
2				"	"	3			29.94	70	63	61		"	"	10	
3			Flood	N. N. N-	"	3			29.93	67	62	60		"	"	10	
4				E. N-	"	1			29.96	67	61	59		b. c. m. w.	cir. cum.	6	
5				"	"	2			29.96	66	60	59		b. c.	"	6	
6				"	"	2			29.95	61	58	56		"	"	6	
7				"	N N-	2			29.95	61	60	57		"	"	6	
8			Ebb	"	S S N-	1			29.95	60	61	59		"	"	6	
9				N N E. ½ E.	E N-	2			29.94	67	60	59		b. c. g.	"	9	
10				"	"	2			29.94	67	65	59		"	"	9	
11				N. N. E.	"	1			29.93	67	65	59		"	"	9	
Noon.				"	"	1			29.93	70	66	59		"	"	9	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 300 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1370 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.														
1			N x E.	N N-	2			29.91	72	72	65	b. c.	cir. cum.	8
2			N.	"	2			29.91	72	72	63	"	"	8
3		Flood	N. N. N-	"	2			29.90	74	73	65	"	"	8
4			S. N- x N-	N. N. N-	2			29.90	74	74	66	"	"	8
5			"	N	3			29.86	75	76	66	"	"	8
6			S. N-	"	2			29.88	75	75	66	"	"	9
7			S. N- x S.	N. N-	1			29.87	75	74	65	"	cum.	8
8		Ebb	S. S. N- ½ N-	"	1			29.89	76	73	65	"	"	8
9			N. E.	"	2			29.94	77	72	66	b.	none	10
10			"	"	2			29.94	77	70	64	"	"	10
11			N. E. x N.	"	2			29.96	76	69	62	"	"	10
Mid.			N. N. E.	"	3			29.97	74	69	63	"	"	10

under the command of Commander A. L. Snow, U. S. Navy,

Saturday May 31st, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Clear and pleasant gentle breze from N.E. by N. Barometer steady

J. T. Newton
Lieut U.S.N.

4 to 8 A.M.
Clear and pleasant light airs to light breze from N. by N. & E. & N.E. Executed morning orders, Loosed sail to a sunshine as.

O. McClone
Ensign U.S.N.

8 A.M. to Meridian
Clear, warm, hazy and pleasant, light airs and light breze from S.E. At 9.30 mustered and inspected crew at quarters, 2 Marines (S. M.) and 1 Mr. Coffney (Painter) absent without leave. At 9.45 went to General Quarters, divisions ready as follows 1st & Nav. 3 m.; 2nd 3 m 20 sec; 3rd 4 m.; Powder 10 m Marines 3 m. 30 sec. At 10.20 secured. At 11.03 called "Away all Boats armed and equipped." Boats ready as follows Sail 2 and 2nd Cut. 3 m.; 1st Cutter and Whale boat 6 m. Secured at 11.36. The Comdg Officer ordered the following punishments, Nicholas Lear (B.M.) 4 days overtime from Liberty 4th class J.F. Sullivan 1st C. Apr. disorderly at quarters 24 hours stop duty; Michael Griffin (P.M.) insubordination & insolence to Corp. of Guard & 1st Lieut; 5 days confinement on bread and water; all from May 31st 1st Lieut H.C. Fisher U.S.M.C. returned from leave.

J. D. Hetherington
Ensign U.S.N.

Meridian to 4 P.M.
Clear and pleasant light breze from N.E. & E. Manned all boats for Abandoning Ship, and took freeboard when loaded. Lighters came along side and took ashes. Called all hands and furled sail at 3.30. G.C. Harris (A.M.) left ship on leave of absence

O. McClone
Ensign U.S.N.

4 to 8 P.M.
Clear and pleasant light airs to light breze from N. to N.N.E. Hoisted sailing launch, sent flying jib and fore topmast stay sail. Commenced swinging to the ebb tide at 7.30

J. D. Hetherington
Ensign U.S.N.

8 P.M. to Mid
Clear and pleasant, light breezes from N.N.E. Finished swinging to ebb at 9.

O. McClone
Ensign U.S.N.

Examined and found to be correct.

L. K. Curtis
Lieut U.S.N. Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

New York Harbor

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Ships head													
A. M.																	
1	Log			N E x N	N	3			30.00	70	68	61		b	None	10	
2				"	"	3			30.00	70	67	61		"	"	10	
3				"	"	2			30.01	70	67	61		"	"	10	
4	Heaving			"	"	2			30.02	70	66	60		"	"	10	
5				E N.E. x N.E.	N.N.E.	1			30.02	68	66	60		"	"	10	
6				"	"	1			30.02	68	66	67		"	"	10	
7				E x N.E. by E.	Calm	0			30.04	66	68	69		"	"	10	
8				S.S.E.	N.E.	1			30.05	66	68	69		"	"	10	
9	Log 9.20			N E x N	"	1			30.05	67	68	64		"	"	10	
10				N N E	"	2			30.05	70	72	64		"	"	10	
11				"	N.N.E.	3			30.05	72	72	64		"	"	10	
Noon.				"	"	3			30.05	73	73	64		"	"	10	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 210 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1160 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.												
1		N. N E.	N. N.E.	1	30.05	74	74	65	h c	cum	10	
2		"	"	1	30.04	70	74	66	"	"	10	
3	Commenced	"	"	1	30.03	76	76	60	"	"	10	
4	reving	N.N.E. x N.E.	N.N.E.	3	30.03	78	77	66	"	cir cum	8	
5	Log	S.S.E.	N.N.E.	3	30.03	77	76	66	h	None	10	
6		"	"	2	30.04	77	76	66	"	"	10	
7		S.S.E. x S.E.	"	2	30.05	76	75	65	"	"	10	
8		"	"	1	30.05	76	73	66	"	"	10	
9	Commenced	"	"	1	30.08	76	73	66	"	"	10	
10	reving Log	N. E x N	"	4	30.09	74	69	62	"	"	10	
11		"	"	3	30.09	76	68	63	"	"	10	
Mid.		"	"	2	30.10	76	65	61	"	"	10	

under the command of Commander A. S. Snow, U. S. Navy,

Sunday June 1st, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Clear and pleasant, light & gentle breze from N. E. & Variable. Commenced swinging & flood at 3 40'.

J. H. Hetherington
Ensign U.S.N.

4 to 8 A.M.
Clear and pleasant, light airs from N. N.W. & W.N.W. and calms. Ship finished swinging at about 4 20
Rec'd 120 lbs fresh meat, 120 lbs fresh vegetables

F. H. Brown
Lieut U.S.N.

8 A.M. to Meridian
Clear and pleasant, light airs & gentle breze from W. and N. N.W. At 9.20 inspected crew at quarters and inspected ship. Examined ships company & all if all had good vaccination marks. Vaccinated those who had not

C. McClone
Ensign U.S.N.

Meridian to 4 P.M.
Clear warm and pleasant, gentle & moderate breze from N. N.W. & N. N. E. N.W. At 3 commenced swinging & flood tide

J. H. Hetherington
Ensign U.S.N.

4 to 8 P.M.
Clear and pleasant, gentle breze & light airs from N. N.W. Finished swinging & flood tide at 4 30

C. McClone
Ensign U.S.N.

8 P.M. to Mid
Bright and pleasant, light & moderate breze from N. N.W.

J. T. Newton
Lieut U.S.N.

Examined and found to be correct.

L. K. Lewis
Lieut U.S.N. Navigator.

LOG of the UNITED STATES Steamer Asst, 3rd Rate,
New York Harbor

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				Ships Head													
1				N N E	Calm	0			30.10	76	66	60		fr	none	10	
2				N E ½ E	N. W.	2			30.10	75	65	07		"	"	10	
3				"	"	1			30.10	74	65	61		"	"	10	
4	Began heaving			N N E	"	1			30.10	73	64	60		fr	Cir	8	
5				W. N. W.	"	1			30.13	71	62	58		"	cir cir	8	
6				S. W. × W.	"	1			30.14	70	62	08		"	"	8	
7				S. W.	"	1			30.14	69	68	59		fr m	none	10	
8				"	"	1			30.14	68	68	60		"	"	10	
9	40	Ebb		S W × S	N. N. W.	3			30.15	69	70	68		fr c	cir cum	8	
10				"	"	2			30.15	72	71	64		"	"	8	
11				N N E	"	2			30.15	78	72	65		"	"	8	
Noon.				"	"	4			30.14	75	76	63		"	"	8	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″
Latitude by observations of ⊙ ° ′ ″
Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″
Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″
Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 300 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 810 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.													
1		N. N. E.	W. N. W.	2			30.14	76	74	66	fr	cir	4
2		"	"	2			30.13	72	76	67	"	"	4
3		"	N. W.	2			30.13	78	87	67	"	"	4
4		"	"	3			30.13	77	79	67	"	"	4
5	Flood	W.	"	3			30.13	78	79	69	"	"	4
6		S. W. × W.	"	2			30.13	79	77	68	"	"	8
7		"	N. N. W.	1			30.13	78	78	69	"	cir cum	4
8		"	"	1			30.16	78	76	68	"	cum	8
9	Ebb	S. S W. ½ W.	N.	1			30.16	78	75	68	"	cir	8
10		"	"	1			30.18	78	74	66	"	"	8
11		N. W. ¼ N.	N. W.	1			30.20	79	71	65	"	"	6
Mid.		N. W. × N.	"	1			30.23	79	72	64	"	"	6

under the command of Commander A S Snow, U. S. Navy,

Monday June 2nd, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Clear and pleasant, Calm & light breze from N. W.

D. M. Stone
Ensign U.S.N.

4 to 8 A.M.
Clear and pleasant, light airs from N. W. Finished swinging ship at 6.20 At 6.30 started fires in two 2, 3 & 4 boilers Crossed Royal yards at 7.00

F. H. Holman
Lieut U.S.N.

8 A.M. to Meridian
Clear and pleasant, light to moderate breze from N. W. Tide turned ebb at 9.40 Lieut Holman returned from leave. At 9.30 mustered at quarters, absentees 17 in Sick Bay (Painter) 2 in 11 in cutter (S. W.) Post Hands, called at 10. received the inspection board with the crew at quarters; and the inspection of the ship was begun cleared ship for action. Sent to quarters and exercised at general quarters. At 12 inspection was still in progress

Jno. F. W. Holman
Lieut U.S.N.

Meridian to 4 P.M.
Clear warm and pleasant; light to gentle breze from W. to N. W. to N. by W. Strong ebb tide. Continued inspection during the watch, At 1 secured below & aloft, At 2.10 had battalion drill followed by company and division drill, At 3.10 inspection of bags and hammocks, At 3.20 exercised Marine Guard at company & Battalion drill, At 3.30 went to Fire Quarters 1st Stream in 1m 40 sec, 2nd 2m 30 sec, 3rd in 2m 50 sec & Engine 3m 05 sec At 3.40 Abandoned Ship crew mustering at proper boats; one cutlass was lost overboard from Sailing Launch.

F. H. Holman
Lieut U.S.N.

4 to 8 P.M.
Clear and pleasant gentle breze to light airs from N. W. to N. N. W. At 4.30 commenced swinging ship to flood and finished at 6.20 The inspection of the ship was concluded. Called "Away all Boats" Sailing Launch 2nd 1st Cutter 7m 30 sec; 2nd Cutter 7m 30 sec; Whale Boat 9m 30 sec; Gig 6m 30 sec Loosed sail, made all plain sail, shortened sail, furled sail and sent down Royal yards. Exercised at "man overboard" Called the steam Launch, as a spar torpedo boat. Exchanged numbers with the Pensacola, passing down towards Fort Hadson

Jno. F. W. Holman
Lieut U.S.N.

8 P.M. to Mid.
Generally clear and pleasant, light airs from N. to N. W. Commenced swinging ship to flood tide at 9.10 and finished at 10.30

F. H. Holman
Lieut U.S.N.

Examined and found to be correct.

Le. K. Lewis
Lieut U.S. Navigator.

LOG of the UNITED STATES Steamer Recruit, 3rd Rate,

New York Harbor

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N.E.	N.N.E.	2			30.28	79	70	68		h c m	cirr	4	
2				"	"	2			30.22	70	68	61		"	"	4	
3				N.N.E.	N.E.	3			30.22	74	68	60		"	"	4	
4				"	N.N.E.	2			30.28	73	66	60		"	"	6	
5. 30	Fresh breeze			"	E.N.E.	2			30.24	76	65	58		"	"	2	
6				E.N.E. x N.E.	"	2			30.24	76	64	59		"	cirr cumm	9	
7				"	"	1			30.24	69	63	57		"	"	4	
8				"	E.N.E.	3			30.26	68	63	57		"	"	4	
9				Swinging	E.S.E.	3			30.26	68	66	58		"	"	4	
10				"	"	3			30.26	70	66	60		"	"	4	
11	Rec'd			N. x N.	"	3			30.28	76	66	57		"	"	4	
Noon.				"	"	3			30.27	70	66	58		"	"	4	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 230 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 3750 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.														
1			N.E. x N.	N.E.	3	30.26	70	67	58	h c	cirr cumm	4		
2			"	N.N.E.	3	30.26	70	69	63	"	"	6		
3			N.N.E.	"	3	30.26	70	70	62	"	"	8		
4			"	"	3	30.23	70	69	64	"	"	8		
5. 30	Fresh breeze		"	"	3	30.21	70	68	63	"	"	8		
6			E.N.E. x E.	"	3	30.21	72	68	63	"	"	8		
7			"	"	3	30.20	70	67	63	"	"	7		
8			"	"	3	30.19	70	67	63	"	"	7		
9			"	E.N.E.	3	30.21	76	67	64	"	"	8		
10	Rec'd		E.	"	2	30.22	77	68	64	"	"	8		
11			N.E. x E.	E.	1	30.22	78	66	64	"	"	9		
Mid.			"	N.E.	2	30.21	76	67	60	h c	Rain	10		

under the command of Commander A. S. Snow, U. S. Navy,

Tuesday June 3rd, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant; light to gentle breze from N. W. shifting to N.E & E.S.E latter part of watch. Exhd.

Gunr. F.W. Holman
Lieut U.S.N.

4 to 8 A.M.

Cloudy, light to gentle breze from E.N.E. and E.S.E. Barometer steady. Commenced swinging to flood tide at 5.25

J. T. Newton
Lieut U.S.N.

8 A.M. to Meridian.

Partly cloudy, pleasant weather; gentle breze from S.E., Ship commenced swinging to ebb at 8.30, finished at 10.45 A.M. At 9.30 inspected crew at quarters and Hereford 1st & 2nd great guns, 3rd & Washington Dix revolvers and Marine Guard company drill, Mr. Coffman (painter), L. H. Walters (Ord'y), & C. Haines (Pvt. U.S.M.C.) absent without leave. Quarterly board of inspection made examination of cash on hand in accordance with Par. 35 U.S. Navy Regulations, circular No 48 of Nov. 11, 1887

F. F. Friend
Lieut U.S.N.

Meridian to 4 P.M.

Bright and pleasant. Barometer steady, gentle breze from E.S.E and S.S.E. A reward of $10 was offered for the arrest and delivery on board of Granville C Haines (Ord'y Straggler) and $5 for the arrest and delivery on board of Leon H. Walters (Ch. miller) deserters

J. T. Newton
Lieut U.S.N.

4 to 8 P.M.

Clear and pleasant; gentle breze from S.S.E. Swung to flood tide between 6 & 6.30. At 6.30 sent down royal yards. Paid monthly money. Sent liberty party ashore.

F. F. Friend
Lieut U.S.N.

8 P.M. to Mid.

Clear and pleasant Barometer steady. Wind gentle to light from S.S.E to E. Full moon rose at 8.10 Swinging to ebb between 9.30 & 10.30

J. T. Newton
Lieut U.S.N.

Examined and found to be correct.

L. M. Lewis
Lieut. U.S.N. Navigator.

LOG of the UNITED STATES Steamer East , 3rd Rate,

New York Harbor

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Ships Head													
A. M.																	
1		Log		N. E.	S. E.	2			30.24	76	68	66		h. n. w.	Cumu	10	
2				N. N. E.	E.	2			30.19	76	68	66		h. c. n. w.	cir	9	
3				"	"	2			30.19	70	68	66		"	"	0	
4				"	"	2			30.16	73	69	66		"	"	6	
5				"	"	1			30.15	72	68	66		h. c. g.	"	6	
6				"	Calm	0			30.16	71	67	66		"	"	6	
7		Log		S. W. × S.	"	0			30.15	70	66	66		"	"	9	
8				S. W.	S	1			30.14	71	66	64		h. g.	"	10	
9				"	"	1			30.15	72	69	68		h. c.	cir cumu	8	
10				S. S. W.	"	1			30.13	73	72	69		"	"	8	
11		Log		S.	"	1			30.12	73	72	69		"	"	8	
Noon.				N. E.	S. S. E.	3			30.11	72	72	69		"	"	9	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 210 gallons.

Water received on board during the preceding 24 hours, 1710 "

Water remaining on hand fit for use at Noon, 2080 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.													
1		N. E.	S. S. E.	3		30.08	78	74	71	h. c.	cir cumu	9	
2		"	S	3		30.07	73	74	71	h. c. g.	"	6	
3		N. N. E.	"	3		30.07	74	74	72	"	"	6	
4		"	"	2		30.05	75	75	72	"	"	6	
5		N. × E.	S. W.	2		30.03	77	76	73	h. c.	"	6	
6	Log	Sundry	S. S. W.	2		30.04	76	75	73	"	"	5	
7		S. W. by S.	S. W.	1		30.05	76	75	72	"	"	2	
8		W. by S. W.	W. by N. W.	5		30.06	76	74	71	c. g. l.	cumulus	0	
9		S. W.	W. by S. W.	3		30.05	77	74	71	c. l. g.	"	0	
10		"	W.	3		30.06	75	72	69	"	"	0	
11		S. E. × S.	S. E.	6		30.04	76	72	69	c.	"	0	
Mid.	Log		W. N. W.	2		30.07	77	72	69	h. c.	"	6	

under the command of Commander A. S. Snow, U. S. Navy,

Wednesday June 4th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear, bright moon light first two hours, partly cloudy last two hours. Light breze from S.E. to S. Hazy over the Land. Ebbing ebb tide

T. H. Withers
Lieut U.S.N.

4 to 8 A.M.

Clear and hazy around horizon Calm, and light airs from S. At 6.40 commenced swinging to flood tide, finished swinging At 7.10 At 7.30 watch lighter came alongside, commenced filling tanks and boilers 7.40 crossed royal yards

J. H. Hetherington
Ensign U.S.N.

8 A.M. to Meridian

Clear and pleasant. Barometer falling slowly. light airs and gentle breze from S and S.S.E. During 4 ebb between 10.40 and 12. Absentees without leave K. Jansen (2nd C.F.) Carl Christian (Seaman) Rachich (Lab) J. M. Foley (Ord), L. H. Bates (Sh. Hy), H. Gaffney (Fdo) G. C. Hawes (P.M.). Drilled as follows 1st Div. great guns 2nd Div great guns; 3rd Div small arms; Navigators single sticks; Powder instruction in fuzes

J. J. Newlon
Lieut U.S.N.

Meridian to 4 P.M.

Partly clear and cloudy, hazy around horizon light to gentle breze from S.S.E. to S. Pumped ship out. At 3.04 Daniel Foley (O.S.) fell overboard from the 2nd Cutter at port boom, dropped life buoy and sent life boat and steam launch to pick him up. F. B. Cleary (O.S.) and Julius Gregory (2nd C apl) jumped overboard and succeeded in taking Foley to the life buoy, where they were picked up by the steam launch, the tide was running strong ebb at the time. Daniel Foley (O.S.) was placed under arrest, charged for being drunk on duty to await investigation. Paymasters Clerk Jas. N. Barry whose resignation took effect June 3 left the ship. Paymasters clerk Jas H. Dean appointed from June 4th reported on board for duty.

J. H. Hetherington
Ensign U.S.N.

4 to 8 P.M.

Cloudy till 7.30 with light breze from S.W. to S.S.W. Squally last half hour from W.N.W. overcast and breaking wind and rain, brilliant lightning Sent down royal yards at sunset. Finished swinging to the flood at 6.40

J. J. Newlon
Lieut U.S.N.

8 P.M. to Mid

Overcast raining and squally during first part with gentle breze from W.S.W. and W. During first hour wind hauled to S.E. and increased to fresh breze during last hour wind hauled to W.N.W. and fell light. Commenced swinging to ebb at 11.10 and finished at 11.40

J. H. Hetherington
Ensign U.S.N.

Examined and found to be correct.

E. K. Lewis
Lieut-C. V. Navigator.

LOG of the UNITED STATES — Steamer Cusi, New York Harbor — , 3rd Rate,

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N. E.	N. W.	4			30.06	75	69	67		b.	None	10	
2				N. E. x N.	"	3			30.06	75	69	67		"	"	10	
3				"	E. S. W.	2			30.07	75	70	68		b. c. z.	cir	8	
4				"	W. x N.	2			30.06	75	69	67		"	cir str	8	
5				N. N. E.	Calm	0			30.07	74	69	68		"	cir cum	8	
6				"	N. W.	3			30.09	73	69	67		"	"	6	
7				N. x W.	S. W.	1			30.09	72	70	68		"	"	8	
8	30	Finished		W. x S.	N. W.	2			30.09	72	70	68		b. c.	"	4	
9		using the		S. W. x S.	W.	2			30.06	73	72	69		b. c. z.	"	3	
10				"	"	2			30.06	76	74	70		"	"	4	
11				"	"	1			30.06	76	76	72		"	"	5	
Noon.				S. S. E.	W. S. W.	1			30.06	77	76	73		"	"	8	

Course and distance made good since preceding noon by observations, knots tenths,

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.: Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 350 gallons.

Water received on board during the preceding 24 hours, 1388 "

Water remaining on hand fit for use at Noon, 3118 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.												
1		N. E.	S. W.	1	30.06	77	76	74	b. c.	warm	8	
2		N. E. x E.	"	1	30.06	78	78	74	"	"	8	
3		"	"	1	30.06	78	78	74	"	"	8	
4		"	"	1	30.04	78	78	74	"	"	8	
5		N. E. x N.	"	1	30.06	81	81	76	b. c. z.	"	9	
6		N. E.	"	2	30.04	79	80	76	"	"	9	
7		"	S. S. W.	2	30.04	80	78	75	"	"	9	
8		S. W. x S.	"	1	30.06	81	77	74	"	"	9	
9		S. S. W. ½ W.	N. E. x N.	1	30.04	80	77	74	o. c. l.	rain	0	
10		"	N. E.	2	30.04	79	76	78	"	"	0	
11		"	"	4	30.06	76	78	70	"	"	6	
Mid.		S. ½ W.	E. x N.	4-6	30.09	74	71	68	o. o. x. l.	"	0	

under the command of Commander A. S. Snow, U. S. Navy,

Thursday June 5th, 1896.

RÉCORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant- bright moonlight, full moon, moderate and gentle breze from N.W.- first half; light breze from S.S.W.- latter part

J T Newton
Lieut U.S.N.

4 to 8 A.M.

Partially cloudy, pleasant. Calms to gentle brezes from N.W. & S.W. Exercised morning orders. At 8 crossed royal yards and loosed sails to a buntline. Rec'd on board 120 lbs each of fresh meat and vegetables

D M Slone
Ensign U.S.N.

8 A.M. to Meridian

Cloudy, hazy & warm, light airs to light breze from W. to W.S.W. At 9.20 mustered and inspected crew at quarters. Exercised as follows 1st, 2nd, 3rd & Marine small arms, Fancy drills, Pistols, Powder, and instruction. Absent without leave L. H. Wallis (S.W.). E. C. Kaus (O.M.), J. M. Talley (Ar.), H. Jansen (2nd C.F.) C. Christian (Sea.) F. Rochich (Sea.), also Send (Sea.) F. Kolbe (App.) R. Listen (O.S.), H. C. Aumenson (C.A.G.), C. K. Tinney (Ck. (2nd C.F.). At 10.30 started fires under Nos 3 & 4 boilers. W. Gaffney (painter) was this day declared a deserter from the Naval Service. The Comdg Officer ordered the following punishments A. R. Brown for not manning boat promptly 48 hrs stop duty and liberty stopped. A.B. Andrews (Sea.) coming off liberty drunk, reduced to 3d class. H. B. Jacks (Sea.) same offence reduced to 4th class. F. Brosius (App.) same offence reduced to 4th class. Daniel Foley (O.S.) drunk on duty, three days confinement on bread and water. Flood tide. Placed J. A. Callan (App.), P. J. Conly (Lds.) & A. Pitalsky (App.) under sentry, charge until sober.

J. H. Hetherington
Ensign U.S.N.

Meridian to 4 P.M.

Clear and pleasant- light airs from S.W. at 1, hoisted in steam launch & furled sail at 1.00. Called 'all hands' at 2.45, got under way and stood up North River. At 3.05 made our number to Jamestown, and by her number. Made signal at 3.40 - 1211 and 409 at 3.57 called all hands and anchored with 45 fms starboard chain in 7½ fms water. Liberty bearing S.S.W. ½ W. and N. W. corner of Atlas Line pier S.E. ½ S. Hauled fires. By order of Comdg Officer and upon recommendation of board appointed for that purpose, Nicholas Gilroy was changed from Oiler to 1st C.F. from May 24th, W. G. Bratton from 1st C.F. to Oiler from May 26th.

D M Slone
Ensign U.S.N.

4 to 8 P.M.

Warm and hazy, light airs and light breze from S.W. to S.S.W. A.S.S. Portsmouth came up under two of her "Catalpas" and anchored above the Jamestown about 6.15. At 4.16 made signal Int. 4 & 57 Jamestown and 90 Int. Sent liberty party ashore. Comdg Officers of U.S.S. Jamestown, called on the Comdg Officer. By order of the Comdg Officer released J. A. Callan, App., P. J. Conly, Lds. & A. Pitarsky, App. from sentry charge. H. C. Aumenson (C.A.G.) returned 11 hrs over time. J. M. Talley (Ar.) returned 36 hrs over time. C. K. Tinney (2nd C.F.) returned 1½ hrs over time. Commenced surveying to flood tide at 7, finished at 7.50

J. H. Hetherington
Ensign U.S.N.

8 P.M. to Mid.

Overcast and cloudy; lightning all the watch with rain last hour, light airs from S. by E. & E., increasing to very fresh breze from S. by E. last hour.

D M Slone
Ensign U.S.N.

Examined and found to be correct.

L. K. Laun
Lieut U.S.N. Navigator.

LOG of the UNITED STATES — Steamer East — New York Harbor — , 8' Rate,

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	Log			E.	E N. E.	2-4			30.10	70	70	66		o.cg.rl.b.	Nimbus	0	
2				N. E.	"	2-4			30.10	71	70	68		"	"	0	
3				N E × N.	"	1			30.09	71	70	68		o.c.rl.	"	0	
4				"	"	2			30.09	70	69	67		o.c	cum Nim	0	
5				N. N. E.	S. W.	3			30.10	72	69	67		o.c.p.l.	"	0	
6				N E × N.	S S E.	2			30.08	70	69	67		o.c.z.	"	0	
7				"	S. S. W.	2			30.08	71	68	67		"	cir cum	4	
8				N. N. E.	"	2			30.07	71	70	68		h.c.z.	"	6	
9				Swinging	"	1			30.06	71	70	68		"	"	5	
10				N. N. E.	"	2			30.06	73	72	69		h.c.	"	5	
11				"	"	2-3			30.06	70	74	71		"	"	4	
Noon.				"	"	3			30.01	75	74	71		"	"	4	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.:
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.:
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 30.0 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2768 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.												
1	Log	E. S. E.	E.	3	30.02	75	72	69				
2		N. E × N.	"	3	30.01	75	71	69	o.c.z.	cir cum	0	
3		"	"	3	30.00	70	71	69	"	"	0	
4		N. E.	E. S. E.	4	29.99	70	69	68	"	"	0	
5		N. E × N.	"	3	29.98	74	68	67	"	"	0	
6		"	E. N. E.	3	29.98	70	68	66	o.c.s.d.	Nim	0	
7		N. N. E.	N. E.	2	29.99	78	68	66	o.c.z.r.l.	"	0	
8		N. E.	E.	2	29.99	78	69	66	o.c.z.	cum nim	0	
9	Find	S. W. × S.	"	2	29.96	70	68	66	o.c.	"	0	
10		S. S. W.	N. E.	1	29.96	78	68	66	"	"	0	
11		"	N. N. E.	1	29.95	71	69	67	"	"	0	
Mid.		"	"	2	29.95	71	69	67	h.c.g.	"	0	
					~~29.95~~	71	69	67	"	"	0	

under the command of Commander A. S. Snow, U. S. Navy,

Friday June 6th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.

Overcast, cloudy rainy & squally with thunder and lightning Several heavy rain squalls during watch. Light & moderate breeze from E.N.E. Commenced swinging to ebb tide at 12.30 finished swinging at 1.30.

J. A. Hetherington
Ensign

4 to 8 a.m.

A thunder squall first hour. Sky clearing after that. Hazy. Light to light breeze hauling from E.N.E. to S.W. first hour, backing to S.S.E. second hour and steadying at S.S.W. latter part of watch. John Kling (sea) and J. Cooney (Pvt) returning from liberty drunk and fighting, were put under sentry, charge for safe keeping

Jno. F. Holman
Lieut.

8 a.m. to Meridian

Partly cloudy, light airs to gentle breeze from S.S.W. At 9.42 called "All hands" and loosed sails to a hundred. At 9.30 went to quarters and exercised divs as follows; Nav. 45 min Div single sticks, 1st Div small arms; 3rd Div great guns, Pow. Div. oral instruction. The following men were absent from ship without leave; G. H. Watkins (Ships Writer), E. C. Hamel (Pvt), H. Jansen (2 c. F), Carl Christian (sea), F. Rachich (sea) Alex Reed (sea), F. Kolbe (Apl), A. Nielsen (O.S.), J. H. Spear (Cox), J. J. Fahey (C.H.) C. H. Mullin (Pvt), R. Shurlock (Pvt), J. Dwyer (Ldr). The following punishments were awarded by the Condy Officer, Dan'l Brown (Ldr) 8 hrs extra duty; Pinalty (Apl) and J. a Callan (Apl.) reduced to 4th class from June 6th, M. Griffin (Pvt), H. G. Young (Pvt), H. Carmody (Pvt), A. B. Andrews Pvt. all 24 hours extra duty.

A. M. Klone
Ensign U.S.N.

Meridian to 4 p.m.

Overcast hazy, gentle breeze from E. At 12.00 evening to wind, at 1 began to swing to ebb and finished at 1.00. At 12.05 made signal Int. 4826 ans. 964 Furled sail. At 1 Pvt Shurlock returned on board. By order of Condy Officer discharged Alonzo Jones Capt Hold to sea. Sent on board the Navy Yard Wharf for transfer to hospital with hammocks Alonzo Jones sea, and C. J. O'Reilly Pvt. A reward of $10.00 was offered for arrest and return of J. H. Spear Cox, J. J. Fahey (C.H.) C. H. Mullin (Pvt) & J. Dwyer (Ldr) absent without leave.

Jno. F. Holman
Lieut U.S.N.

4 to 8 p.m.

Overcast, cloudy and rainy, 2nd & 3rd hours of watch with thunder and lightning. Light to gentle breeze from S.E. to N.E. At 4.30 called "All hands and sent down royal yards. By order of Condy Offican released John Kling (sea) and J. Cooney (Pvt) from sentry charge. James Dwyer returned on board 11 hrs over time.

A. M. Klone
Ensign U.S.N.

8 p.m. to Mid.

Overcast light breeze to light airs from S. to N.N.E. Misty latter part of watch. At 8.10 commenced swinging to flood, finished at 8.45.

Jno. F. Holman
Lieut U.S.N.

Examined and found to be correct.

Le. K. Lamson
Lieut-C. Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

New York Harbor

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Ships Head													
A. M.																	
1				S.S.W.	N.E.	1			29.94	70	68	66		o.c.f.		0	
2	Ebb tide			"	"	1			29.93	70	67	66		"		0	
3				N.N.E.	Calm	0			29.93	70	67	66		"		0	
4				"	"	0			29.92	70	67	66		"		0	
5				"	N.N.W.	1			29.93	70	68	67		"		0	
6				"	"	1			29.94	70	68	67		"		0	
7				"	"	1			29.94	70	68	67		b.c.f.	cu nim	2	
8				"	"	1			29.95	70	68	67		"	"	2	
9				"	S.W.	2			29.93	72	71	69		b.c	cir cum	8	
10	Flood			N.×W.	W.	3			29.93	73	73	68		"	"	8	
11				"	"	3			29.93	74	75	68		"	"	8	
Noon.				"	"	3			29.94	74	76	69		"	"	8	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 220 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2543 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.												
1		S.W.×S.	N.W.×N.	3	29.94	70	78	69	b.c.	cu cum	6	
2		S.W.	"	3	29.95	76	79	71	"	"	6	
3	Ebb tide	"	"	4	29.96	76	77	70	"	"	5	
4		"	"	4	29.95	76	78	70	"	"	8	
5		N.W.×N.	"	4	29.96	77	78	70	"	"	8	
6		"	"	3	29.98	77	77	71	"	"	6	
7		"	"	3	30.00	77	76	70	"	"	5	
8		N.N.W.	"	3	30.04	76	74	69	"	"	5	
9		"	N.W.	2	30.11	77	71	66	"	cum	8	
10	Flood	N.W.	N.N.W.	2-4	30.13	77	69	65	b.c.g.	"	8	
11		W.×S.	"	3-5	30.14	74	68	63	"	"	8	
Mid.		S.S.W.	N.	3-5	30.16	72	67	62	"	"	8	

under the command of Commander A. S. Snow, U. S. Navy,

Saturday June 7th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Overcast, cloudy and foggy. Calm to light airs from N. E. Began swinging to ebb at 2.00 and finished swinging at 2.40

C. McClose
Ensign U.S.N.

4 to 8 A.M.
Foggy and damp, clearing last two hours, light airs from N.-N.W.- Strong ebb tide. Received 105 3/4 lbs fresh meat + 105 3/4 lbs fresh vegetables in Pay. Dept. C.H. Mullin (Pvt U.S.M.C.) returned on board 24 hrs over time at 7.55 housed sails to dry.

C. H. Wilson
Lieut U.S.N.

8 A.M. to Meridian
Clear and pleasant light to gentle breeze from N.-N.W. hauling to S.W. during the first hour and then hauling to W.- At 9.30 commenced to swing to flood, finished at 10.30. At 9.30 mustered at quarters. Absentees L.W.-W. also (ship 11 miles), G.C. Hawes (Pvt), K. Jansen (2nd C.S.), Carl Christian (seaman), F. Rachich (seaman), Abt Lund (seaman), F. Kolbe (Appr), A. Liston (O.S.), J.H. Spears (city of J. Falvy (C.H.)) Aired bedding at 11.20 made signal Int 4 Pt 6 and 9 Pt. At 11.35 finished sail. The following punishments were adjudged by the Commdg. Officer. J. Sliney (seaman) returning drunk from liberty, reduced to 4th class, N. E. Stivers drunk + unfit for duty at quarters, reduced to 4th class. D. Sherlock (Pvt) skirking 24 hrs watch duty and for being 6 hrs over liberty, reduced to 8th class, J. Cooney (Pvt) skirking 24 hrs watch duty, and for returning drunk from liberty, reduced to 4th class. C.A. Tiney (2nd C.S.) 12 hrs over liberty, reduced to 4th class, H. Summerson (C.A.C.) 11 hrs over liberty, reduced to 4th class. M. Falvy (Army) 36 hrs over liberty, reduced to 4th class. C.H. Mullin (Pvt) 24 hrs over liberty, reduced to 4th Class. J. Dwyer (Ldr) 24 hrs over liberty, reduced to 4th class. M. Driscoll ( ) 24 hrs over liberty, reduced to 2nd class. M. Rockingham (Ldr) giving provisions to men on deck 8 hrs watch duty, P.J. Conly (Ldr) drunk on duty, reduced to 4th class, H. Limbury (C.H.) 2 hrs over time, reduced to 2nd class, McKeon (cap's) 2 hrs over time, reduced to 2nd class. Lloyd (2nd C. Appr) 2 hrs over time, reduced to 2nd class.

Jas. F. W. Holman
Lieut U.S.N.

Meridian to 4 P.M.
Clear and pleasant, gentle to moderate breze from N.-N.W., Mario Plano (Italian Subj) was discharged to Ldy, and by order of Commdg Officer was discharged from this ship, and the U.S. Naval service, by reason of his "own request" Swung to ebb between 2.05 + 2.40

C. H. Wilson
Lieut U.S.N.

4 to 8 P.M.
Clear and pleasant, moderate to gentle breze from N.-N.W. + N.-S.W., Ebb tide, Sent a liberty party ashore

Jas. F. W. Holman
Lieut U.S.N.

8 P.M. to Mid.
Clear and pleasant gentle to light breze first two hours, Last two hours frequent light to moderate squalls of light to N.N.W.- and N., Commenced swinging to flood tide at 9.40 and lay across stream until about 11.30
Barometer raising rapidly

C. H. Wilson
Lieut U.S.N.

Examined and found to be correct.

Lg. K. Lewis
Lieut U.S. Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

New York Harbor

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky; in 10ths.	State of the Sea.
A. M.																	
1				S. W.-x S.	N.	3-4			30.19	71	66	61		l. c. q.	cum	8	
2	Rain			"	"	3			30.23	70	60-	60		l. c.	"	8	
3				N. x E.	"	4			30.23	69	68	59		"	"	8	
4				"	N. W.-	4			30.23	68	61	57		"	"	8	
5				N. E. x N.	W.- N. W.-	3			30.27	66	60	57		"	"	6	
6				"	"	3			30.30	60-	61	55		"	cir. cu.	8	
7				"	"	3			30.32	60-	61	56		"	"	8	
8				"	"	2			30.33	66	60	55		"	"	8	
9				N. N. E.	"	2			30.36	67	62	56		"	"	8	
10				"	"	2			30.37	66	63	57		"	"	8	
11				"	N. N. W.-	2			30.38	67	64	58		"	"	9	
Noon.	Fine			S. W.- x S.	"	2			30.38	67	60-	59		"	"	9	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 210- gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2328 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.														
1		S. W.- x S.	N. W.-	2	30.37	66	67	60		l. c.	cir.	6		
2		"	W.- x N.	2	30.37	69	66	61		"	"	6		
3		"	"	2	30.37	70	69	68		"	"	9		
4		W.- x N.	"	2	30.37	70	70	63		"	"	9		
5	Rain	N. N. E.	"	2	30.36	71	71	64		"	"	8		
6		"	"	1	30.37	72	72	60-		"	cir.	9		
7		N. E. x N.	W.-	1	30.37	72	72	60-		"	"	9		
8		"	W.- S. W.-	1	30.38	73	71	66		"	"	9		
9		N. E.	"	1	30.40	77	70	66		"	"	8		
10		N. N. E. ½ E.	"	1	30.42	76	69	60-		"	"	8		
11		S. S. W.-	"	1	30.42	76	69	60-		"	"	8		
Mid.		"	"	1	30.42	76	68-	64		"	"	9		

under the command of Commander A. S. Snow, U. S. Navy,

Sunday June 8th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 Am

Clear and pleasant gentle to moderate breze from E. backing to N. 11- Equally fine hours At 2.20 commenced swinging to ebb finished at 2.50

Jas F. W. Holman
Lieut U.S.N.

4 to 8 Am.

Clear and pleasant Barometer rising Moderate to gentle breze from N. 11-4 N. N. 11- Read in Pay Dept. 10 Pds fresh beef; 10 Pds fresh vegetables

J. T. Newton
Lieut U.S.N.

8 Am to Meridian

clear and pleasant light breze from 11- N. 11- to N. N. 11- Swung to flood tide between 11 + 11.45 At 9.20 mustered Crew the following named men absent without leave. L. 11- Wales (S. 11-) G. C. Harris (Ord), H. Jansen (2 C. F) C Christian (Ser) F. Rachich (Ser) A. Lund (Ser), F. Kolbe (1 C. App), P. Liston (O.S.) J. H. Spann (CH) J. J. Fahey (CH) F. Johnson (Ser) J. Mahony (CH) J. Johnsen (O.S) P. Hand (11-7) F. Wilson (S. cook) O Robinson (E. M) A. S. Stokes (C. cook) At 10 Cmdr Officer inspected ship with crew at quarters and officers in "Special full dress" At 10.30 Field General Muster and read "Articles for Better Govt of the Navy." Danl Foley (O.S) was released from confinement and restored to duty by order of Cmdr Officer. O. Robinson (E. Mate) released from leave 1 P.M. was late

F. A. Wilson
Lieut U.S.N.

Meridian to 4 Pm

Bright and pleasant light breze from N. 11- and 11- x N. Barometer steady Commenced swinging to ebb current at 3 P.M. Seen 11- Wales (Sh Keeper) a deserter from this ship was brought on board by one of the Baltimore police having been arrested in Washington D.C. January 1st A reward of $20 was paid for this apprehension, and an additional amount of $1.50 for necessary expenses. By order of Cmdr Officer he was placed in confinement under sentry charge to await the action of the Hon Secretary of the Navy, on a report for desertion and for taking with him a watch and money belonging to other persons.

J. T. Newton
Lieut U.S.N.

4 to 8 P.M.

Clear and pleasant, light breze to light airs from N. x N to N. E. 11- Finished swinging to ebb tide at 4.10

F. A. Wilson
Lieut U.S.N.

8 P.M. to Mid

Clear and pleasant, Barometer rising light airs from 11- S. 11- Swung to flood current between 10.30 and 11. By order of Cmdr Officer E Rodriguez (Ord) stood the watch from 9 to 12

J. T. Newton
Lieut U.S.N.

Examined and found to be correct.

Le. K. Lewis
Lieut U.S.N. Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

New York Harbor

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ship's head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	Fresh			S.S.W.	S.W.	1			30.41	70	66	63		h.	none	10	
2				"	"	1			30.40	74	67	63		"	"	10	
3				"	"	1			30.39	73	65	62		"	"	10	
4				E.S.E.	"	1			30.39	73	65	62		"	"	10	
5	Light			N.N.E.	S.S.W.	1			30.40	71	64	61		h.c	cirr	9	
6				N.E.×N.	S.W.	1			30.40	67	66	62		h.c.3.	"	9	
7				"	"	1			30.40	66	66	64		"	"	9	
8				"	"	1			30.40	66	69	65		"	"	9	
9				"	"	2			30.37	69	70	67		h.c	cirr cir	8	
10				"	"	2			30.37	70	71	67		"	"	8	
11				N.W.	"	2			30.36	72	72	67		"	"	8	
Noon.				"	"	1			30.35	73	73	66		"	"	8	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 220 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2013 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.													
1	Fresh	S.S.W.	W.S.W.	3	30.35	75	70	66	h.c	cirr	6		
2		S.W.×S.	"	3	30.34	76	76	66	"	"	6		
3		"	"	3	30.33	76	77	70	"	cir cum	4		
4		W.	"	3	30.32	77	76	70	"	"	4		
5	Light	W.	W.	3	30.32	77	76	70	"	"	6		
6		N.N.E.	"	2	30.31	76	77	71	"	"	4		
7		"	S.W.	2	30.31	76	76	70	"	"	3		
8		"	"	2	30.31	79	76	70	"	"	3		
9		"	W.S.W.	3	30.31	80	76	71	h.	none	10		
10		"	"	2	30.31	80	76	70	"	"	10		
11		"	N.W.	2	30.31	80	74	70	"	"	10		
Mid.		W.	"	2	30.32	80	73	69	"	"	10		

under the command of Commander A. S. Snow, U. S. Navy,

Monday June 9" , 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 am

clear bright star moonlight. Moon over 12.20. Light airs from S.W. Commenced swinging ship at 0.40

F. A. Wilcox
Lieut U.S.N.

4 to 8 am.

clear and pleasant hazy around horizon. Light airs from S.S.W. and S.W. At 7.30 made signal Int 6071 Jamestown annex 904 At 7.05 crossed royal yards. Finished swinging ship at 7.20

J. M. Hetherington
Ensign U.S.N.

8 AM. to Meridian

clear and pleasant. Barometer falling slowly. Light breeze and light airs from S.W. Commenced swinging ship at flood current at 11.20. At 9.30 mustered and inspected the divisions at quarters. Absentees without leave Haines (Ry) K. Jansen (2d C.M.) C. Christian (Sea) F. Raetsch (Sea) A. Lind (Sea) F. Kolb (1C app) P. Liskin (O.S.) J.N. Spear (app) J.J. Falvey (C.H.) F. Johnson (Sea) J. Mahoney (C.H.) J. Johansen (O.S.) A. Hand (H.T.) F. Wilson (Sh cook) Stokes (Cat cook) Had battalion drill, and afterwards the apprentices coxswains and quartermasters were instructed in signals: the steam launch crew were instructed in torpedo connections. P. Liskin (O.S.) returned on board the ship at 3 o'clock. G.C. Haines (Ry.) was declared a deserter from this date

J.T. Newton
Lieut U.S.N.

Meridian to 4 PM.

Fair and warm, gentle breeze from N.E. to S.E. Flood tide. A reward of ten dollars was offered for the arrest and delivery on board of the following men. F. Johnson (Sea) T. Mahoney (C.H.) J. Johansen (O.S.) A. Hand (H.T.) F. Hickson (Sh cook). At 2 Stokes (Cat cook) returned on board. Capt Thompson U.S.N. came on board to ascertain if this vessel was in the legal anchorage, and found she was.

J.M. Hetherington
Ensign U.S.N.

4 to 8 PM.

Cloudy and pleasant, gentle to light breeze from N. and E.N.E. Barometer steady At 7.20 made Int 6140 Jamestown annex 904. Sent down light yards and light mast, time 10 min. At 5.10 swung to the tide.

J. T. Newton
Lieut U.S.N.

8 PM to Mid

Clear and pleasant, light breeze from N.E. to N.N.E. Ebb tide

J. M. Hetherington
Ensign U.S.N.

Examined and found to be correct.

Lieut-C. Navigator.

LOG of the UNITED STATES Steamer East, New York Harbor, 3rd Rate,

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S. W.-x S.	N. W.-	1			30.36	78	73	69		b	none	10	
2				"	N. E.	2			30.37	78	73	68		"	"	10	
3				S. S. W.-	E. N. E.	2			30.37	76	71	67		"	"	10	
4				"	East	2			30.37	76	71	65-		"	"	10	
5				Swinging	N. E.	2			30.37	74	69	62		b c	cir. cir.	7	
6				N. N. E. 1/4 E.	E. N. E.	2			30.38	74	65	58		"	"	7	
7				"	"	2			30.38	73	65	57		"	"	7	
8	Calm			"	"	2			30.39	73	67	59		"	"	7	
9				N. E.	E. S. E.	2			30.39	73	69	61		"	"	7	
10				N. N. E.	S. S. E.	2			30.38	71	71	64		"	"	7	
11				N.	S. S. W.-	2			30.36	71	71	64		"	"	7	
Noon.	Ebb Flood			N. E.	S. W.-	2			30.37	70	71	64		"	"	7	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, — knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 225 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1788 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.																	
1				S. W.- x W.-	S. S. W.-	2			30.36	73	71	64		b c	cir. cir.	7	
2				S. S. W.-	"	2			30.35	73	71	66		b c. g.	cir. cum.	2	
3				"	S. W.-	2			30.33	73	71	66		"	"	2	
4				"	S. S. W.-	2			30.30	73	71	65-		"	"	2	
5				"	"	2			30.28	73	70	65-		"	"	1	
6	Ebb			Swinging	"	2			30.28	72	70	66		"	"	1	
7				N. E.	S. S. W.-	2			30.27	72	69	66		"	"	0	
8				"	"	2			30.27	70-	70	67		"	"	0	
9				N. E. x N.	"	2			30.26	77	72	69		o. c.	cir. cum.	0	
10				"	"	2			30.26	77	73	68		"	"	0	
11				"	"	2			30.25	74	73	68		"	"	0	
Mid.				N. N. E.	"	2			30.24	76	72	68		"	"	0	

under the command of Commander A. S. Snow, U. S. Navy,

Tuesday June 10th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant, barometer rising slowly. Moon over at 12.16. White light from N.W. veering gradually to E. at end of watch. Riding to flood current

J. T. Newton
Lieut U.S.N.

4 to 8 A.M.

Clear and pleasant, light breeze from N.E. & E.N.E. Executed morning orders. At 7.40 made signal 6 & 4 5 "Jamestown" and 9 A.M. "Called all hands" and sent up topgallant masts and crossed topgallant yards at 8.00 Paid in pay dept 108 3/4 lbs fresh beef, 108 3/4 lbs fresh vegetables

O. M. Stone
Ensign U.S.N.

8 A.M. to Meridian

Clear and pleasant, light breeze from E. & E. & E.N.E. At 9.30 mustered and inspected crew at quarters and exercised as per routine. Drilled Engineers force at Guns. The following absent without leave, H. Jansen (2nd C.F.) C. Christian (seaman), F. Rachick (seaman), A. Lund (seaman), F. Kolbe (A.B.), J. H. Spear (ord.), J. J. Talvey (C.M.), F. Johnson (seaman), J. Mahoney (C.M.) J. Johansen (O.S.) P. Hand (1st C.F.) F. Wilson (1st cook) At 10.23 called away all boats "Armed and Equipped" for disembarkation service, Whale boat, Gig & 1st Cutter ready in 7 min; 2nd Cutter & Pinn, Sailing launch 11 min, and Steam launch 15 min. At 11 Coast Survey schr "Eagle" got underway and stood up the river. The Executive Officer ordered the following punishments. P. Liston (O.S.) overstaying 4d. 8 hrs. and returning on board drunk and unfit for duty, reduced to 4th Class. A. Stokes (A.B.) 30 hrs over liberty 4th Class; F. Flaherty (Ord.) 1½ hrs overstay and returning on board 4th Class. J. B. Nolan (Pvt.) removing clothes from the line after word had been passed not to do so 6 hrs Extra duty. Ash lighters came alongside and took ashes. Ebb tide

J. H. Hetherington
Ensign U.S.N.

Meridian to 4 P.M.

Cloudy and hazy last two hours, light breeze from S.S.W. & S.W. Exercised apprentices by quartermasters and coxswains of boats at signals. Finished swinging to flood tide at 12.40

O. M. Stone
Ensign U.S.N.

4 to 8 P.M.

Cloudy and overcast, light breeze from S.S.W. Received from E. & E.N.E. "Vermont" Commander Geo. Dutch (Ord.) with his accounts and transfer papers. At 7.10 made signal Int 6 & 3, Jamestown and 9 P.M. at sunset sent down topgallant yards and unbent light sails. Commenced swinging to ebb tide at 6 and finished swinging at 6.45

J. H. Hetherington
Ensign U.S.N.

8 P.M. to Midnight

Overcast and cloudy, light breeze from S.S.W. Riding to ebb tide all of watch

O. M. Stone
Ensign

Examined and found to be correct.

Le. K. Lewis
Lieut. U.S. Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

New York Harbor

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Swinging	S.S.W.	1			30.22	70°	72	68		b.c.	cir cum	0	
2				S.S.W.-W	"	1			30.21	76	71	68		b.c.	"	2	
3				"	"	1			30.19	70°	70	68		b.c.	"	0	
4				S.S.W.-½W.-	"	1			30.18	76	70	68		"	"	0	
5				S.W.-×S.	"	2			30.16	70°	70	67		b.c.	"	6	
6				"	S.W.-	3			30.15	73	67	66		"	"	6	
7				N.N.E.	"	3			30.15	71	68	67		"	"	6	
8				"	"	2			30.12	71	70	68		"	"	6	
9				N.E.	W.-S.W.-	2			30.10	78	73	71		"	"	6	
10				N.E.×N.	"	2			30.09	74	75	72		"	"	6	
11				"	"	3			30.07	70°	76	73		"	"	6	
Noon.				N.N.E.	"	2			30.06	76	77	73		"	"	8	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 420° gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1363 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.												
1		N.N.E.	W.-S.W.-	3	30.05	76	76	78	b.c.	cir cum	6	
2		S.W.-×S.	S.W.-×W.-	2	30.01	76	80	78	"	"	7	
3		S.S.W.-	"	2	30.00	80	81	74	"	"	7	
4		"	"	2	29.99	80	81	74	"	"	8	
5		S×W.-½W.-	S.W.-	2	29.97	80	80	74	"	cum	7	
6		S.S.W.-½W.-	W.-S.W.-	2	29.97	80	80	73	"	str. cum	3	
7		"	"	2	29.97	80	80	74	"	"	2	
8		N.N.E.	"	2	29.97	82	79	74	b.c.l.	cum	1	
9		N.E.×N.	W.-N.W.-	2	29.98	81	76	72	o.c.r.l.	"	0	
10		"	W.-S.W.-	1	29.98	81	75	72	b.c.l.	cum cum	4	
11		N.E.	S.S.E.	3	29.98	80	76	72	o.c.l.	"	0	
Mid.		"	"	3	29.97	78	75	71	"	"	0	

under the command of Commander A. S. Snow, U. S. Navy,

Wednesday June 11th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.

Overcast and cloudy, light airs from S.S.W.- Barometer falling. At 12.30 commenced swinging ship and finished swinging at 1.20.

J. A. Hetherington
Ensign U.S.N.

4 to 8 a.m.

Clearing and warm, light & gentle breeze from S.S.W. and S.W.- Commenced swinging ship at 6 and finished at 6.35. At 7.35 made signal Sub 6069 ans 904. At 8 answered light yards. Tug "Nina" went along side "Jamestown" and at 8 Jamestown got under way and stood down the river in tow of the tug. F. Johnson (ord) and J. H. Spear (cox) returned aboard.

Geo. F. W. Holman
Lieut U.S.N.

8 a.m. to Meridian

Clear and pleasant light & gentle breeze from W.- S.W. At 8.05 Jamestown made signal Sen. Tel 4604 ans Tel 7226 - 3044. At 8.11 Jamestown signaled Tel 9271 and d. At 9.30 went to quarters, and exercised Div. as follows Rev. & 3rd Div. small arms. 2nd Div. single sticks, 1st Div. great guns. and Pow. Div. machine guns. Also 1st Div. at target. - air guns. Received good conduct bar for Pilot Knight, who holds continuous service certificate and honorable discharge No 1292 same was presented to him by Cond'g Officer. The following men were absent from ship without leave. K. Jansen, Carl Christian, F. Rachicki, A. Reid, Kolbe, J. J. Falvey, J. Johansen, Pilot Hand and F. Wilson. J. Mahoney returned on board 3 ds over time. The following pecuniary awards were awarded by the Cond'g Officer; J. H. Spear, Fred Johnson, J. Mahoney & Olin Robinson, 4th Class from June 11th Rec'd on board in Pay Dept. 44 lbs fresh bread.

O. McClone
Ensign U.S.N.

Meridian to 4 p.m.

Clear and warm, gentle to light breeze from W.- S.W., backing to S.W. & W.- Received on board clothing for the Marine Guard. Served out small stores.

Geo. F. W. Holman
Lieut U.S.N.

4 to 8 p.m.

Cloudy most of watch, with lightning last hour. Light breeze from S.W. and W.- S.W. At 7.12 made signal 6068 to Portsmouth and 904. Called all hands and sent down light yards at sunset. Sent liberty party ashore.

O. McClone
Ensign U.S.N.

8 p.m. to Mid

Cloudy light breeze to light airs from W.-N.W.-to W.- S.W.- first part of watch; shifting to S.S.E. latter part and increasing in force to gentle breeze. A thunder squall with light rain passed over the first hour. Lightning to the 2d latter part of watch. Ebb tide.

Geo. F. W. Holman
Lieut U.S.N.

Examined and found to be correct.

L. K. Lewis Jr.
Lieut U.S.N. Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

New York Harbor

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N. N. E.	S. W.	2			29.90	79	70	71		h. c. l.	cum. nim	3	
2				"	W. S. W.	1			29.94	76	74	71		o. c. n. l. t.	"	0	
3				S. S. W.	S. S. W.	1			29.94	77	74	71		o. c. n. l.	"	0	
4		Hove		"	S. S. E.	1			29.94	77	78	70		h. c. l.	"	1	
5				"	S. E.	1			29.94	77	73	70		h. c	"	1	
6				"	S. W.	1			29.94	73	72	70		o. c. h. l. p.	"	0	
7				"	"	1			29.96	72	71	69		o. c. p.	"	0	
8				Swinging	S. E.	1			29.94	73	71	69		"	"	0	
9				N. N. E. 1/2 E.	"	3			29.96	74	70	69		o. c. r.	"	0	
10				"	"	3			29.97	74	71	69		o. c	"	0	
11				"	"	3			29.98	74	71	69		"	"	0	
Noon.				"	"	3			29.97	74	72	69		"	"	6	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, ~~How~~ gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 963 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.												
1		N. N. E.	S. E.	3	29.95	72	71	68	o. c. n.	cum. str.	0	
2		"	"	3	29.95	73	70	68	"	"	0	
3		S. S. W.	"	3	29.94	69	69	67	"	"	0	
4		S. x E.	"	3	29.94	68	68	66	"	"	0	
5		S. S. W.	"	4	29.94	68	67	65	o. c. r.	"	0	
6		"	E. S. E.	4	29.94	70	66	65	"	"	0	
7		S. x W.	"	4	29.95	71	66	64	"	"	0	
8		"	"	3	29.97	72	66	64	o. c.	"	0	
9	Abl.	N. E. x N.	E. x N.	1-4	29.98	76	68	66	o. c. r. q.	nim	0	
10		N. E. 1/2 N.	"	2-4	29.96	70	65	62	o. c. q.	cum, nim	2	
11		N. N. E.	N. E.	2	29.97	70	64	62	h. c.	"	3	
Mid.		"	"	2	29.97	70	68	61	"	"	2	

under the command of Commander A. S. Snow, U. S. Navy,

Thursday June 12th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.

Cloudy and lightning, last three hours of watch, rain second hour, light airs + breezes from 8 P.M. to 4 A.M.

C. M. Stone
Ensign, U.S.N.

4 to 8 a.m.

Cloudy with frequent passing showers, light airs shifting from S.E. to S.W. then back to East. At 7.15 commenced serving to ebb and finished at 7.35. Rec'd 101 3/4 lbs fresh meat and 101 3/4 lbs fresh vegetables in Pay Dept.

F. F. Wilner
Lieut U.S.N.

8 A.M. to Meridian

Overcast, gentle breeze from S.E. Ebb tide. At 9.30 mustered at quarters, absentees 16 Janson (2 C.T.), C. Christian (sea) F. Rachick (sea), A. Reed (sea) F. Kolbe (1 cap) J. J. Fahey (C.H.) J. Johansen (O.S.) P. Hand (H.T.) F. Hilson (ships cook) Received according to routine. The North Atlantic Squadron, Baltimore (Flagship) Galena, Kearsarge and Dolphin came in and anchored above us in North River. At 10.20 crossed 12 knot yards, At 10.55 hoisted guard flag and work guard. At 10.40 crossed said to a bugle tune. The following signals were made 9.45 Flag to Recall, a.c. 1 gun and 45 men launch before us anchor. 10.30 Flag guard 6.44; 10.40 Flag guard 5.45; 10.50 Flag to Recall a.c. Take guard. At 11 Flag & pennant numbers with the squadron. The Portsmouth fired a salute of 11 guns, returned by 7 by the Baltimore

Geo. F. W. Holman
Lieut U.S.N.

Meridian to 4 P.M.

Cloudy thick and misty, gentle breeze from S.E. Swung to flood tide by bugle 210 + 220°. The following signals were made during watch Recall 4.26; 7.04, number 10. At 1 hauled said U.S.S. Dolphin got under way and passed down the river. Front lines of all ships were cast overboard.

F. F. Wilner
Lieut U.S.N.

4 to 8 P.M.

Overcast, rainy until 7 Moderate breeze from S.E. to E.S.E. falling to nearly calm last half time. Had sub a liberty party as here

Geo. F. W. Holman
Lieut U.S.N.

8 P.M. to Mid

Cloudy with heavy rain first two hours, clearing last two hours. Light squalls first part, light breeze latter part of watch. Finished swinging to ebb at 8.30. Took one section of starb'd first ports overboard from C. & N. Yard.

F. F. Wilner
Lieut U.S.N.

Examined and found to be correct.

L. K. Lewis
Lieut. U.S. Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,
New-York Harbor.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N. E.	E. N. E.	2-3			29.95	73	62	60		l. c. q. p.	Cum. Nim	0	
2				"	"	2-3			29.94	72	60	59		o. c. q.	"	0	
3	Flood			"	"	2-4			29.93	71	60	59		"	"	0	
4				E.	"	3			29.93	70	61	59		o. c.	"	0	
5				N.-E. S. N.-E.	"	3			29.95	69	61	59		o. m.	"	0	
6				E. N.-E. × E.	"	3			29.96	68	62	60		"	"	0	
7				"	N. E.	2			29.96	66	62	60		"	"	0	
8	Ebb			N. E. N.	N. E. × E.	2			29.96	68	61	59		"	"	0	
9				"	"	2			29.96	67	61	60		"	"	0	
10				"	N. E.	1			29.97	62	62	60		"	"	0	
11				"	"	1			29.97	68	63	61		"	"	0	
Noon.				"	"	1			29.97	69	64	62		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″
Latitude by observations of ⊙ ° ′ ″
Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″
Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″
Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 425 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 538 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.										
1		N. N. E.	Calm	0	29.99	70	66	63	o. c	Cu. cum	0
2		"	"	0	29.99	70	66	64	"	"	0
3		"	N. E.	1	29.99	71	65	65	"	"	0
4	Flood (3.30)	S. S. W.	"	1	29.98	72	68	66	l. c.	"	4
5	Flood	"	S. S. W.	1	29.97	72	69	67	l. c. m.	"	4
6		"	"	1	29.97	70	69	66	"	"	4
7		"	S. S. E.	1	29.97	70	67	65	"	Cu. m.	0
8		"	S.	1	29.98	72	66	64	"	"	0
9	Ebb (9.30)	S. S. E.	S. S. E.	2	30.00	73	67	65	"	"	6
10		N. N. E.	S.	2	30.01	72	68	66	"	"	6
11		N. E. × N.	"	2	30.01	71	68	66	o. c. m.	"	0
Mid.		"	"	3	30.01	71	68	66	o. c. p. r.	"	0

under the command of Commander A. S. Snow, U. S. Navy,

Friday June 13" , 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast. Light to gentle breeze from E. N.E. with stiff to moderate squalls first three hours. Passing shower first hour. Sailing to wind at 3.30. Flood tide 3.45. Ship across ind and tide at end of watch.

Geo. W. Kobman
Lieut. U.S.N.

4 to 8 A.M.

Overcast misty. Barometer steady. Gentle to light breeze from N.E. Finished swinging to tide at 7.05. The flagship shifted her berth at 6.15 to a position about two cables north of this ship. At 7.30 flagship made conseminitely Time signal, 3rd R. 2nd R and 1st R. 3rd R.

J. T. Newton
Lieut. U.S.N.

8 A.M. to Meridian

Cloudy & misty. Light airs from N. E. & E. N.E. Ebb tide. At 9.30 inspected at quarters and had divisional drills. The following named men absent without leave H. Jansen (2 cl. F.), C. Christian (ord. sea), F. Radtich (ord. sea), A. Lund (ord. sea), F. Kolbe (1st Capt.), J. J. Falvy (C.H.), J. Johanah (O.S.), P. Hand (1st C.), F. Hilson (ph. cook) & 1st C. Young (Pay.) Testd. magazine & torpedo boats blowers cocks and pumps in good working order. Comdg. Officer of U.S.S. Baltimore paid an official visit to this vessel. Rec'd 40 lbs fresh bread in Pay Dept.

F. F. Wilner
Lieut. U.S.N.

Meridian to 4 P.M.

Overcast. Calms and light airs from N.E. Barometer steady. Comdg. Officers of the Kearsarge, Galena and Portsmouth visited this ship officially. Finished swinging to the flood current at 3.00 4 P.M.

J. T. Newton
Lieut. U.S.N.

4 to 8 P.M.

Partly cloudy & misty. Light airs shifting from S. S.W. to S.E. At 5.00 went to Fire Quarters, 1st Division Steam 2 min 30 sec 2nd in 2 min 40 sec, 3rd in 3 min 00 sec & 4th in 3 min 20 sec. Pvt. Darcy & Edwin 1st Class U.S.M.C. were transferred from the Marine Barracks, Brooklyn, N.Y. to this vessel. Pvt. H. G. Young U.S.M.C. returned on board 11½ hrs over time. Pvts. Hamell & Thetumed on board 130 hrs over time.

F. F. Wilner
Lieut. U.S.N.

8 P.M. to Mid

Cloudy overcast latter part, with passing shower last hour. Barometer steady. Light to gentle breeze from S. & S.S.E. Sunny to the ebb at 9.30

J. T. Newton
Lieut. U.S.N.

Examined and found to be correct.

H. K. Lemist
Lieut.-C. Navigator.

LOG of the UNITED STATES Steamer Ecaut, 3rd Rate,

New York Harbor

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	Ebb			N N E	E by E	1			30 01	71	68	66		o o 2 pt	mists	0	
2				N E by N	"	2			30 01	72	67	65		"	"	0	
3				N N E	"	2			30 00	71	67	65		1 o p. c.	"	0	
4				N E by E	"	2			30 00	71	66	65		"	"	0	
5				E S E	E by S	1			29.99	71	66	65		o c m	"	0	
6				E by E	"	1			29.99	70	65	64		o c f m	"	0	
7				"	"	1			29.99	69	64	63		"	"	0	
8				E S E	"	1			29.99	69	64	63		"	"	0	
9	Ebb			E	"	1			30.00	69	65	64		"	"	0	
10				N N E	E	1			29.99	67	66	65		o c f.	"	0	
11				"	"	1			29.99	69	67	66		"	"	0	
Noon.				N E	"	1			29.99	70	68	66		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 300 gallons.

Water received on board during the preceding 24 hours, 2564 "

Water remaining on hand fit for use at Noon, 2802 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.														
1		N E. N	E	1	30 00	70	68	66	o c f m	mists	0			
2		N N E	N E by N	1	29.99	71	69	67	o c m	"	0			
3		"	E	1	29.98	71	70	68	h. c. j.	cirr cumu	3			
4		E by N	E N E	1	29.97	72	71	68	"	"	4			
5		E S E	E S E	1	29.97	73	70	67	o c j	mists	6			
6		"	"	1	29.97	73	70	68	o. c f	"	4			
7		S by E	Calm	0	29.99	76	69	67	"	"	8			
8		S S E	"	0	30.00	77	69	68	o c	cirr cumu	4			
9		"	"	0	30.04	78	69	68	o c m	cirr	0			
10		N E by N	"	0	30.06	78	69	67	"	"	3			
11		"	"	0	30.06	78	68	66	"	"	0			
Mid.		N N E	N	1	30.06	76	68	66	"	"	0			

under the command of Commander A. S. Snow, U. S. Navy,

Saturday June 14th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.

cloudy heavy rain with thunder and lightning first two hours; frequent passing showers last two hours. Light airs & light breze from SSE Ebb tide

F. H. Brownell
Lieut USN

4 to 8 Am.

Overcast cloudy, foggy misty Light airs from SE. J. J. Talvey (CH) returned to the ship 8 day overtime at 7.30 Flagship signalled 2d 3d Repr. 1st 2d 3d Repr. 2nd Repr mum. Received on board 101 1/2 lbs fresh beef 101 1/2 lbs fresh vegetables for use of crew At 4 commenced swinging to flood, finished at 4.40

J. H. Hetherington
Ensign USN

8 A.M. to Meridian

Overcast foggy Barometer steady Light airs from SE & E. At 9.30 mus. and at quarters Absentees without leave K. Jansing 2d Fl, C Christiansen (sea), F. Rachlich (sea), A. Seed (sea), F. Kolbe (Capt), J. Johansen (O.S.) F. Hilsen (Ships Cook) Finished swinging to the ebb current at 9.40 At 12 made Rev 158 and 6 and Rev and 6. By order of Comdg Officer, Engl Firth (Pm) was reduced to 2d class for returning from liberty 1/2 hr overtime and H. B. Young (Pm) was reduced to 3d class for returning 1 1/2 hrs overtime

J. T. Nicholson
Lieut USN

Meridian to 4 P.M.

Overcast cloudy foggy misty during first part then partly clear and hazy, light airs from SE & E. At the ebb At 12.30 water boat came alongside Received on board 2564 gallons fresh water. Sent boilermaker Anderson to Galena to work. Served out clothing to crew. F. Hilsen Ships Cook returned from liberty 6 day and 8 hrs overtime At 2.20 Flagship signalled, how many companies infantry, and how many sections artillery can you land. Ans 1 comp. Marines, 1 Brigade, 2 sections of artillery At 3.56 commenced swinging to flood tide

J. H. Hetherington
Ensign USN

4 to 8 P.M.

Overcast misty raining latter part Barometer steady light airs from SSE and calms By order of Comdg Officer rated Ck Yeoman Leds to 1st Cl. Std from June 11, 1890

J. T. Nicholson
Lieut USN

8 P.M. to Mid.

Overcast cloudy and misty calm and light airs from N. Commenced to swing to ebb at 8.55 and finished at 9.40

J. H. Hetherington
Ensign USN

Examined and found to be correct.

L. K. Lemon
Lieut.-C. Navigator.

LOG of the UNITED STATES Steamer Rescue, 3rd Rate,

New York Harbor

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N N E.	N	1			30.06	70	68	66		o.c. m.	cir	0	
2				N E × N.	Calm	0			30.07	73	68	66		"	"	0	
3				"	N	2			30.08	74	68	66		"	"	0	
4				"	"	1			30.09	74	68	66		"	"	0	
5	5.20		Rund	N N E.	E N E.	1			30.09	78	67	65		f.c.g.	"	10	
6	5.50		Calm	S × E.	E.	1			30.10	72	67	65		"	cir cum nim	2	
7	6.00			S 11 × S	"	1			30.11	70	67	66		"	"	2	
8				S S 11	"	2			30.12	68	66	65		o.c.f.	"	2	
9				S × E.	"	2			30.13	69	66	65		f.c.m.	"	2	
10	9.00	Abt.		N E × N.	"	2			30.19	70	67	65		o.c.m.	"	0	
11				"	"	2			30.21	71	67	65		f.c.m.	"	4	
Noon.				"	"	2			30.21	71	68	65		"	"	4	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 300 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2502 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.												
1		N E.	S E.	3	30.21	71	68	65	o.a	cirrum		0
2		"	S.	3	30.21	71	68	66	"	"		0
3		N N E.	"	3	30.22	71	68	65	"	"		0
4 - 40 Rund		N E × N.	S E.	3	30.23	71	68	64	be.	"		6
5		S 11 × S.	"	3	30.23	71	67	63	b.a	"		8
6		"	S	2	30.23	71	66	63	"	"		6
7		S S 11	"	2	30.25	71	66	62	"	"		6
8		"	S S 11	2	30.26	71	66	62	"	"		8
9		S S 11 / 2 11	"	1	30.28	71	66	63	"	cirrostr.		8
10 - 25 Rund		S × 11	"	1	30.30	70	66	64	"	"		8
11		N N E.	"	1	30.32	74	66	64	"	"		8
Mid.		N E × N.	"	1	30.34	74	66	64	"	"		8

under the command of Commander A.S. Snow, U. S. Navy,

Sunday June 15th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Overcast. Barometer rising. Calm and light airs from N.

J. H. Hackstaff
Lieut U.S.N.

4 to 8 a.m.
Overcast with fog. Last Sept. Light airs from S.E. & E.S.E. At 5.50 swung to flood tide. Carried out morning orders. Liberty party returned

W. Ray Mason Field.
Ensign U.S.N.

8 a.m. to Meridian
Cloudy, overcast & misty, light breeze from S. Commenced swinging to ebb tide at 9.05 and finished at 9.50. At 9.30 inspected and mustered crew at quarters. J. Johansen (B.S.) D. Foley (O.S.) & J. V. Cronin (ship's cook) absent without leave. At 10 Comdg. Officer inspected crew and ship. On recommendation of board and by order of Comdg. Officer made the following changes in rating F. Wilson (Shipwright) to (Seaman) D. Linnehan (C. M. 1/C Shipwright) The following men were declared discharged from the Naval Service K. Jansen (2d C.S.) C. Christian (Seaman) F. Rachick (Seaman from June 4th) A. Reed (Seaman). F. Kolbe (1C. apprentice) from June 5th and the flagship changed numbers with the "Petrel" The "Petrel" anchored about 11.30 ahead of the flagship. Read on board 92 1/2 lbs fresh beef. 92 1/2 lbs fresh vegetables. At 9.30 signaled to flagship "Mail 2. At 10.10 flagship signaled this ship "Take guard" Obeyed with guard flag and sent guard boat to flagship. At noon reported coal by signal

J. H. Hackstaff
Ensign U.S.N.

Meridian to 4 P.M.
Clear fine weather latter part of watch, gentle breeze from S.S.E. The Comdg. Officer reported to the Comdr in Chief for temporary duty on N. A. Station. Read in Pay Dept. At 4 lbs soft bread. Sent liberty party on shore

W. Ray Mason Field.
Ensign U.S.N.

4 to 8 P.M.
Clear and pleasant light to gentle breeze from S.S.E. to S.S.W. Barometer rising At 4 commenced swinging to flood tide and finished at 4.40.

J. H. Hackstaff
Ensign U.S.N.

8 P.M. to Mid.
Clear fine weather light airs from S.S.W. Swung to ebb tide at 11.50 p.m.

W. Ray Mason Field.
Ensign U.S.N.

Examined and found to be correct.

C. K. Lewis
Lieut. U.S. Navigator.

LOG of the UNITED STATES Steamer Essex, 3" Rate,

New York Harbor

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N. N. E.	E.	2			30.38	68	66	64		h. c	cum	9	
2				N. E.	E. by N.	1			30.33	62	67	64		"	"	2	
3				"	by N.	2			30.32	62	66	63		o. c	cir cum	0	
4				"	"	1			30.32	62	65	68		h. c	"	4	
5				N. N. E.	N. by N.	2			30.33	62	65	63		h. c. z.	"	1	
6	6.20		fleet	"	"	1			30.33	60	64	62		o. c.	none	0	
7	6.35			E. by N. x E.	"	1			30.35	68	63	61		"	"	0	
8	6.45		calm	"	"	1			30.35	69	68	62		"	"	0	
9				"	Calm	0			30.36	68	65	63		o. c. z.	"	0	
10				E. E. by N.		0			30.36	69	66	64		/	"	0	
11				N. N. E.	E.	1			30.37	69	66	64		o. c. m.	"	0	
Noon.				"	"	1			30.39	70	67	65		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 260 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2242 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, 26 " "

P. M.														
1			N. E. by N.	S. S. W.	1			30.38	69	67	65	o. c. z.	none	0
2			"	S. W.	1			30.38	70	68	65	"	"	0
3			"	"	1			30.38	70	68	66	"	cum	0
4	Hove	5.00	"	"	1			30.37	70	68	66	h. c	cir cum	2
5		5.10	N. E.	S. E.	2			30.35	71	68	66	"	"	4
6		5.30	S. W. x S.	"	2			30.34	71	68	65	"	"	6
7			S. S. W.	S. S. E.	2			30.33	70	66	63	"	cir stu.	4
8			"	S.	2			30.33	68	65	63	"	"	5
9			"	"	1			30.33	70	66	63	"	cum	8
10			"	"	2			30.34	70	66	63	"	"	8
11			S.	"	3			30.34	70	66	63	"	"	8
Mid.			N. N. E.	"	3			30.34	71	66	63	"	cir cum	7

under the command of Commander A. L. Snow, U. S. Navy,

Monday June 16th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
cloudy and overcast, light airs and light breeze from E and N. Ebb tide

J. H. Worthington
Ensign U.S.N.

4 to 8 a.m.
Overcast, light breeze to light airs from N. 11- Ship commenced to swing to flood at 6.20 and finished at 6.40- Sent our boiler-makers to the Galena, to work on her boilers At 8 hauled down the Guard flag the Galena receiving no. The following signals were made At 7.30, time signal; At 7.33 divers signal. Sunrise for officers working blue for crew and fatigue for marines

Jas. H. Holman
Lieut U.S.N.

8 a.m. to Meridian
Overcast cloudy & misty. light airs from E. At 9.00 U.S.S. "Kearsarge" got underway and steamed down the river; followed by the Flagship "Baltimore" at 9.30. Coaled ship during watch and received in all 13 11/20 tons A Board of Survey of which P.A. Engr Balis U.S.N. was senior member convened on board, to survey chain locker (Wash) for professional fitness. Fahey J.J. (Ct) reduced to 4th class. Hand P. (M.T.) reduced to 4th class. Simms W.S. (2nd Capt) 12 hrs extra duty; Molinero F. H. (1st Capt) 12 hrs extra duty; Nelson F. (sea) reduced to 4th class and 4 nights extra anchor watch. Durrand A.L. (Jos D) 3 nights extra anchor watch. Swung to Ebb tide at 10.50. Made routine signals of Sick & by Coal Report. Draught of ship before coaling fore 13'9"; amidships 15'2"; aft 16'6"; after coaling fore 14'; amidships 15'.3"; aft 16'6". Absentees J. Johansen (O.S.); D. Foley (O.S.) and J. Cronin (oiler)

W. Roy Mason Field
Ensign U.S.N.

Meridian to 4 p.m.
Overcast hazy light airs from S.S. Hea & S.H. Flood. Exercised the 1st Division at target practice with the air gun. Received the Clothing, pay and descriptive lists of Private D.C. White from the Marine Barracks. Sent from the Navy Yard, two boxes of charts, one box of nautical books and one box of medical stores. The following signals were made. At 12 Recd to Galena Numl 9 and Numl 168 and pendants & At 1.18 Galena to Recd, Army Code, Hz are note senior officer ship.

Jas. H. Holman
Lieut U.S.N.

4 to 8 p.m.
Fair and clearing weather, light breeze from S.S.E. Extra duty men at work

W. Roy Mason Field
Ensign U.S.N.

8 p.m. to Mid.
Clear and pleasant light airs to light breeze from S. At 10.46 commenced swinging to ebb finished at 11.23

Jas. H. Holman
Lieut U.S.N.

Examined and found to be correct.

C. K. Lewis
Lieut U.S. Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

New York Harbor

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ship's Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N. E. x N.	N. N. W.	1			30.34	72	66	63		b. c	cum	8	
2				"	"	1			30.33	72	65	68		o. c.	"	0	
3				"	"	1			30.31	71	66	63		"	"	0	
4				N. E ½ N.	"	2			30.31	70	66	64		o. c. z.	"	0	
5				"	S. S. W.	2			30.30	70	66	63		o. c. m.	cum nim	0	
6				N. N. E.	"	2			30.30	70	65	68		"	"	0	
7		Hard		S. S. W.	"	2			30.29	67	64	62		"	"	0	
8				"	"	2			30.28	66	65	62		"	"	0	
9				S. W. x S.	"	2			30.26	67	66	64		"	"	0	
10				S. S. W.	"	2			30.25	66	67	65		"	"	0	
11				S. x E.	"	2			30.25	69	68	65		"	"	0	
Noon.	Calm			N. E. x N.	S.	2			30.24	70	68	66		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 250 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1992 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.														
1	Calm	N. N. E.	S.	3	30.21	70	69	67	o. c. m.	cum. nim	0			
2		"	"	3	30.19	71	70	67	"	"	0			
3		N. E x N.	"	3	30.17	71	70	67	"	"	0			
4		N. N. E.	S. S. W.	3	30.14	71	70	67	"	"	0			
5		N. E.	"	3	30.14	71	70	67	"	"	0			
6		S. S. W.	"	3	30.14	71	70	66	"	"	0			
7		"	"	3	30.12	73	70	67	"	"	0			
8		"	"	3	30.11	75	70	67	"	"	0			
9		"	"	2	30.11	75	70	66	"	"	0			
10		"	"	1	30.10	75	71	69	"	"	0			
11		"	"	1	30.10	75	70	68	"	"	0			
Mid.	Calm	N. N. E.	"	2	30.09	76	71	68	l. c. m.	"	5			

under the command of Commander A. S. Snow, U. S. Navy,

Tuesday, June 17th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.m.
clear hzn clouding up, light airs from N.E. to N. Ebb tide

W. Roy Mash Ens
Ensign U.S.N.

4 to 8 A.m.
cloudy hazy light breze from S.S.W. Commenced swinging to flood tide at 6.25 and finished at 6.40
Recd 101 3/4 lbs fresh meat & 10 3/4 lbs fresh vegetables in Pay Dept. for use of the crew

F.T. Wilcox
Lieut U.S.N.

8 A.m. to Meridian
Overcast hazy, light breze from S.S.W. backing to S last hour. Commenced to swing to ebb at 11 & finished at 11.40. At 9.30 mustered at quarters. Absentees:- John Johansen (O.S.) J. V. Cronin (oiler) and A. Clark (2d cl) Drilled according to routine. At 10.15 called Away and Away all Boats mustering aboard the boats. Time Launch 9m. 45sec. Steam launch 6m. 30sec, 1st Cutter 4m. 15sec, 2d Cutter 5m. 50sec, Whale boat 10m, Gig 7m. secured in 2m. 30sec. J. V. Cronin (oiler) returned aboard. Recd aboard for use of crew 70 lbs soft bread. The Comdg Officer paid an official visit to the Vessel

Jas F. W. Holman
Lieut U.S.N.

Meridian to 4 P.m.
Cloudy hazy, Gentle breze from S. to S.S.W. Ebb tide. At about 3 a shore boat containing four men, capsized just astern of the ship, lowered "life boat" and manned Gig astern. three of the men were rescued by Gig L. Waite, and the fourth by "life boat" from this ship. Jno Sliney (sea) jumped into the water from life boat, brought the drowning man to the surface and swam with him to the boat. At 3.55 Navy Yard tug came alongside with stores in Engrs. Equip & navigation Depts

F.T. Wilcox
Lieut U.S.N.

4 to 8 P.m.
Overcast, hazy, gentle breze from S.S.W. Commenced swinging to flood at 5.20 and finished at 5.55. Recd on board from the Navy Yard tug the following stores Equipment, 19 Foreign flag - Engineers 10 files, 1 rule vise gauge, 1 ball pein 12 Gauge glasses, 1 Blake pump wrench, 1 set indicator scales, 1 set bit stock twist drills, 1 spud indicator, 3 shute gins, 4 scales gins, 1 anvil and block & 4 bbls sand. 1 Cord Wood & 1 W.R. Water Corr.

Jas F. W. Holman
Lieut U.S.N.

8 P.m. to Mid
Cloudy and hazy, clearing last hour, light breze to light airs from S.S.W. Commenced swinging to ebb tide at 11.30 & finished at 12.

F.T. Wilcox
Lieut U.S.N.

Examined and found to be correct.

C. K. Lewis
Lieut U.S.N. Navigator.

LOG of the UNITED STATES Steamer "East", 3rd Rate,

New York Harbor

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N. E. x N.	S. W.	2			30.08	75	69	67		o. c. m.		0	
2				"	"	3			30.07	75	69	67		b. c. m	cirrus	6	
3				"	"	3			30.06	75	69	67		"	"	8	
4				"	"	2			30.05	75	69	67		o. c. 3.	"	0	
5				"	S. W. x S.	3			30.04	74	69	67		b. c. m.	"	4	
6				"	S. W.	2			30.03	72	70	68		"	"	5	
7				N. x E.	"	3			30.02	73	70	69		"	"	1	
8				S. W. x S.	"	3			30.02	72	71	69		"	"	1	
9				"	"	2			30.02	73	73	71		"	"	5	
10				"	W. x S.	2			30.01	74	75	72		"	"	3	
11				"	"	2			30.01	75	76	72		"	"	3	
Noon.				Swinging	"	1			30.00	75	76	73		"	"	0	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 260 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1732 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.												
1	N. N. E.	N. W. N.	3	29.98	76	77	78	b. c.	cirrus	4		
2	"	N.	3	29.97	76	78	74	"	"	8		
3	"	"	2	29.96	76	79	74	"	"	5		
4	"	N. W. N. W.	2	29.94	77	80	75	"	"	5		
5	"	"	2	29.92	79	80	74	"	"	7		
6	N. x N.	"	2	29.92	80	81	75	"	"	6		
7	S. W. x N.	"	2	29.92	80	81	74	"	cirrus	6		
8	"	"	1	29.92	81	79	72	"	"	6		
9	S. S. W.	W. N. W.	1	29.93	79	78	72	"	cirrus	3		
10	"	"	1	29.94	77	78	71	"	"	6		
11	"	"	1	29.94	76	73	69	"	"	3		
Mid.	"	"	2	29.94	76	76	68	"	"	3		

under the command of Commander A. S. Snow, U. S. Navy,

Wednesday June 18th 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 am.

Overcast first hour, clearing latter part of watch, light & gentle breze from S. W. Ebb.

Geo. F. W. Holman
Lieut U.S.N.

4 to 8 Am.

cloudy gentle to light breze from S.W. & S. W. Barometer steady At 7 Galena made sig. 0705 hoved sail to a buoy at 7.05. Finished swinging to flood at 7.40

J. F. Newton
Lieut U.S.N.

8 Am. to Meridian

Generally cloudy hazy, light breze to light airs from S.W. to W. & S. Commenced swinging to ebb at 11.30. At 9.30 ins pected at quarters, and exercised 1st Div. great guns, 2d 3d Nav & Powder Divs revolvers. The following men absent without leave Jno Johansen (O.S.), David Foley (O.S.) A.B. Durrand (J of D) Alex Clark (2d C.S.) The following punishments were awarded by order of Comdg Officer: A. Wade, clerk to adrift on deck, 4 hrs & 3 hrs duty. J. V. Cronin (oiler) 3 hrs over leave, reduced to 4th class. H. Punt (1st app) not coming to quarters when division was called 8 hrs 4 hrs duty. Jno Johansen (O.S.) was declared a deserter from this date by order of Comdg Officer At 11.35 hoisted sail

F. F. Wilder
Lieut U.S.N.

Meridian to 4 P.m.

Bright and pleasant, Barometer steady. Gentle to light breze from W. S. W. and W. Received from the Marine Barracks, Brooklyn, N.Y., Private Hallie C. Hubbard, Ebb current. A.B. Durrand (J of D) returned on board 7 hrs over time

J. F. Newton
Lieut U.S.N.

4 to 8 P.m.

Partly cloudy, pleasant weather, light airs to light breze from W. S. W. Leaving to flood tide between 6 & 6.45 Mustered at quarters and served out clean hammocks

F. F. Wilder
Lieut U.S.N.

8 P.m. to Mid

cloudy, clearing latter part, Barometer steady. Light airs and light breze from N. N. W.

J. F. Newton
Lieut U.S.N.

Examined and found to be correct.

Le. K. Lewis
Lieut. U.S. Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

New York Harbor

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	Fleet			N. N. E.	N. N. W.	2			29.95	74	74	67		o. c.	cir cum	0	
2				N. E.	"	2			29.96	74	73	67		f. c.	"	4	
3				"	"	1			29.96	73	72	66		"	cir stri	9	
4				"	N. W.	1			29.96	73	71	65		"	cir cum stri	9	
5				N. N. E.	"	1			29.96	72	70	65		"	"	9	
6				"	"	1			29.96	72	68	64		"	"	9	
7				"	N. N. W.	2			29.96	71	68	64		"	cir stri	8	
8				"	"	1			29.96	74	71	66		"	"	9	
9				S. W. × S.	N × E.	2			29.98	74	73	67		"	"	9	
10				"	N.	2			29.96	75	73	69		"	Nimbus	10	
11				"	"	2			30.00	76	76	69		"	cir cum	9	
Noon.				"	"	2			30.00	76	76	68		"	"	8	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 230 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 15502 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.													
1	Log tide	N. N. W. ½ W.	N. W. × N.	2	30.00	77	77	68	f. c.	cum	6-		
2		"	"	3	30.01	78	77	68	"	"	6-		
3		"	"	3	30.02	76	78	69	"	"	6-		
4		"	"	3	30.02	76	78	69	"	"	6-		
5		N. N. E.	N.	3	30.02	76	78	69	"	cir cum	6-		
6		"	"	3	30.04	78	77	69	"	"	6		
7		N. × W.	N. W.	3	30.06	78	76	68	"	"	6		
8		W. W.	"	2	30.07	77	75	67	"	"	8		
9		W. W. × W.	N. N. W.	2	30.09	79	75	68	"	"	9		
10		W. W.	"	3	30.12	79	74	67	"	"	9		
11		W. W. × W.	"	3	30.14	76	73	67	"	"	8		
Mid.		"	N.	3	30.14	75	72	66	"	"	8		

under the command of Commander A. S. Snow, U. S. Navy,

Thursday June 19th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Partly cloudy first this hours, clear last this, light breze to light airs from N.N.W. to N.W. Commenced swinging to ebb at 12 finished at 12.36.

T. A. Andrews
Lieut

4 to 8 a.m.
Clear and warm, light airs and light breze from N.W. to N.N.W. Scrubbed hammocks. Lowered cutter launch. Received in Paymasters Dept 107 3/4 lbs fresh beef and 107 3/4 lbs fresh vegetables. Also Clark (2nd C.T.) returned to this ship 3 days vacation. Rec'd in Pay Dept 87 lbs soft bread

J. H. Hetherington
Ensign U.S.N.

8 a.m. to Meridian
Clear and pleasant. Barometer rising slowly. Light breze from N.W. and N. At 9.30 mustered at quarters. Absent without leave D. Foley (OS) divided as follows 1st Div Infantry; 2nd Great Guns; 3rd Single sticks; Navigation single sticks; Powder divs small arms; Engineers oral instruction; Marines, Manual Arms. The following punishments were ordered by Comdg Officer. Andrew Wade for smoking out of hours without permission 8 hrs extra duty. A.P. Durrand for overstaying liberty 7 hrs reduced to 3rd class from June 19th. Also Clark (2nd C.T.) for overstaying liberty 3 days reduced to 4th class from June 19.

J. H. Newton
Lieut U.S.N.

Meridian to 4 p.m.
Fair and warm, light to gentle breze from N.W. by N. At 2.30 U.S.S. Yorktown changed numbers with this vessel. At 2.55 U.S.S. Yorktown anchored between this ship and U.S.S. Petrel. Turned in scrubbed hammocks. Received on board from U.S.S. Yorktown the following men, with their bag. hammocks and papers to fill vacancies in crew. Philip Gavin (2nd C.T.), Edward McKinney (Ldg), A. J. O. Donnell (Ldg), Hermin O. Pugh (sea), D. S. Milliken (sea), Jos. Pingree (Ldg), George Timmons (sea) at 12 commenced swinging to ebb, finished at 12.55

J. A. Hetherington
Ensign U.S.N.

4 to 8 p.m.
Clear and pleasant. Barometer steady. Gentle breze from N. and N.W. Placed Chas. P. Eales (OS) under sentry charge to await investigation by Comdg Officer of charges preferred against him. By order of Comdg Officer Chas. P. Eales (OS) was placed in confinement for 6 days on Bread and water for striking a non commissioned officer while discharging his duty. Lieut H. Hales (Pl Leader) was released from confinement and placed under sentry charge, in order to allow Chas. P. Eales to be confined. Swung to the flood current at 7.30

J. H. Newton
Lieut U.S.N.

8 p.m. to Mid
Clear & pleasant, gentle breze from W.N.W. Flood tide

J. A. Hetherington
Ensign

Examined and found to be correct.

C. K. Curtis
Lieut-C. Navigator.

LOG of the UNITED STATES Steamer Essex, 3 Rate,

New York Harbor

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N. E. x N.	N.	3			30.18	74	70	66		f. a.	cir cum	6	
2				"	"	3			30.16	74	68	63		"	"	6	
3				"	"	3			30.17	70	67	63		"	"	6	
4				"	"	3			30.18	72	66	63		"	"	6	
5				"	"	3			30.20	72	65	61		"	cir cum strat	8	
6				"	"	2			30.21	68	63	59		"	cirro strat	9	
7				N. N. E.	"	2			30.22	66	63	59		"	"	9	
8				"	"	2			30.24	66	66	60		"	"	9	
9				"	N. E.	2			30.25	70	67	61		f.	None	10	
10				"	"	2			30.26	70	68	61		f. c	cir cum	7	
11				S. W. x S.	"	1			30.27	70	69	62		"	cum	9	
Noon.				"	Calm	0			30.26	70	70	62		"	"	6	

Course and distance made good since preceding noon by observations, knots, tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 230 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1272 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.												
1		S. W. x S.	N. N. E.	1	30.26	71	70	68	f. c	cir cum	4	
2		N. E. x N.	"	1	30.26	72	71	64	"	"	4	
3		N. N. E.	"	1	30.26	72	72	68	"	"	6	
4		"	E.	3	30.25	72	72	66	"	"	6	
5		N. N. E. ½ N.	E. S. E.	3	30.24	72	71	65	"	"	6	
6		N. N. E. ½ E.	"	3	30.24	71	71	66	"	"	6	
7		"	E. x E.	3	30.25	71	70	64	"	"	6	
8		E. S. E.	"	3	30.25	72	68	63	"	"	6	
9	Fired	E. S. E. x E.	E.	3	30.25	75	70	68	"	"	8	
10		E. E. S.	E. E. S.	3	30.26	76	69	65	"	"	8	
11		"	"	2	30.26	77	68	65	"	cir cus	9	
Mid.		"	"	1	30.26	77	68	64	f.	None	10	

under the command of Commander A. S. Snow, U. S. Navy,

Friday June 20th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Clear and pleasant, Barometer rising slowly. Gentle breeze from N. Swinging to the ebb current at 12.40

J. J. Hecklon
Lieut U.S.N.

4 to 8 A.M.
Clear, fine weather, light breeze from N. cleaned bilges and received morning orders. Liberty party returned

W Ray Mason Field.
Ensign U.S.N.

8 A.M. to Meridian
Clear and pleasant, calm and light airs to light breeze from N.E. At 9.30 beat to General Quarters divisions ready as follows Nav. 4m, 1st Div 3m, 2d Div 2m 30sec, 3d Div 3m 30sec, Pow 4m 30sec, Engrs 2m 30sec. Paymrs 5m, Surg 3m, Marines 3m, Ensn 1m 00sec; Secured at 10.15 Inspected magazines and dispatch boxes Boiler fires out, and found them to be in good working order. Comdg Officer called on Comdg Officer U.S.S. Yorktown. Dan Foley (O) absent without leave. Commenced swinging to flood at 9 finished swinging at 9.80

J. M. Hetherington
Ensign U.S.N.

Meridian to 4 P.M.
Clear, light airs from N.N.E. Swung to ebb tide at 2.05 Comdg Officer of U.S.S. Yorktown called friendly The 1st Div exercised at target practice

W Ray Mason Field.
Ensign U.S.N.

4 to 8 P.M.
Fair and pleasant, gentle breeze from S.S.W. to S.E. At 4.45 sent down light-yards, bent light sails and furled upper sails At 5.05 observed eight bells At 5.20 fire quarters 1st Division 1m 20s; 2d Division 1m 30s; 3d 3m, Commenced swinging to flood at 7 o'clock finished swinging at 7.05

J. M. Hetherington
Ensign

8 P.M. to Mid.
Clear fine weather light to gentle breeze from S. to S.S.W. Swung to flood at 8.30

W Ray Mason Field.
Ensign U.S.N.

Examined and found to be correct.

L. K. Lemly
Lieut. & Navigator.

LOG of the UNITED STATES Steamer East , 3d Rate,
New York Harbor

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S. S. W.	W. S. W.	2			30.26	75	68	60		b.c	cum	6	
2				N. N. E.	"	2			30.26	72	67	64		"	"	7	
3				"	"	2			30.26	70	65	63		"	"	7	
4				N. E. × N.	S. W. × W.	2			30.25	71	66	63		"	"	6	
5				N. N. E. ½ E.	"	2			30.25	71	66	63		"	"	2	
6				N E. ½ N.	S. W.	1			30.25	68	66	65		"	cir cum	1	
7				"	S. S. W.	2			30.24	69	67	65		"	"	1	
8				N. N. E. ½ E.	"	2			30.23	69	68	65		"	"	2	
9				"	"	2			30.19	70	70	65		"	"	1	
10				S. ¾ W.	S. × W.	2			30.19	70	69	64		o.c.	cum str	0	
11				S. S. W. ½ W.	S. S. W.	2-4			30.18	69	68	64		"	str	0	
Noon.				"	"	3			30.18	69	68	63		b.o.c	cum str	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ′ ″
- Longitude by D. R. ° ′ ″
- Latitude by observations of ⊙ ° ′ ″
- Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Position at 8 P. M.
- Latitude by ° ′ ″
- Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 334 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 938 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.											
1	S. S. W.	S.	2	30.16	68	65	62	o.c.r	nim	0	
2	S. × W.	"	2	30.16	69	65	62	"	"	0	
3	N. N. E.	E. S. E.	2	30.13	69	68	61	"	"	0	
4	"	"	3	30.10	69	68	61	"	"	0	
5	"	"	2	30.08	71	63	61	"	"	0	
6	N. E. × N.	"	2	30.07	71	68	61	"	"	0	
7	N. N. E.	"	3	30.05	71	64	61	"	"	0	
8	E. N. E.	E. N. E.	3	30.02	72	64	62	"	"	0	
9	S. W. × S.	"	3	30.00	73	65	64	"	"	0	
10	"	"	3	29.98	72	65	64	"	"	0	
11	"	"	4	29.96	71	65	64	"	"	0	
Mid.	"	N. E. × E.	3	29.94	70	64	63	"	"	0	

under the command of Commander A. S. Snow, U. S. Navy,

Saturday June 21st, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Clear and pleasant light breeze from N.W.N. Commenced swinging to ebb tide at 1.25 finished at 2.00
J. McKeon (carp) returned to his station

J. H. Stevens
Ensign U.S.N.

4 to 8 am
cloudy but pleasant light airs to light breeze from S.W.½W. to S.S.W. Ebb.

Jas. F. W. Coleman
Lieut U.S.N.

8 am. to Meridian
Fair then clouding over light to moderate breeze from S.S.W. Mustered at quarters. D. Foley (oil) was declared a deserter from this ship and the U. S. Naval Service A. S. Stokes (cabin cook) was discharged at his own request from the Naval Service The U. S. S Yorktown hoisted the Senior Officers pennant.

W Roy Mason Field.
Ensign U.S.N.

Meridian to 4 pm.
Overcast and raining light breeze from S.S.W. backing to S.S.E. Commenced swinging to ebb at 2.15 finished at 2.45 Two (2) cans (25 lbs each) of dried peaches were condemned by the Quarterly Board of Inspection and on their recommendation were thrown overboard by order of the Commanding Officer

Jas. F. W. Coleman
Lieut U.S.N.

4 to 8 pm.
Overcast cloudy and raining: light to gentle breeze from S.S.E. to E.N.E. Otter (drowned) fell down the fore hatch. Life he was found not to be seriously injured

W Roy Mason Field.
Ensign U.S.N.

8 pm. to Mid
Overcast raining gentle to moderate breeze from E.N.E and N.E.½E. Finished swinging to flood at 8.30

Jas. F. W. Coleman
Lieut U.S.N.

Examined and found to be correct.

W. K. Lemly
Lieut. U.S.N. Navigator.

LOG of the UNITED STATES Steamer East New York Harbor, 3rd Rate,

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S. S. W.	N. N. E.	2			29.94	71	64	63		o.c.m.	mix	0	
2				N. E.	"	2			29.94	71	64	63		"	"	0	
3				"	"	2			29.93	71	63	62		"	"	0	
4				N. N. E.	N.	3			29.93	70	62	61		o.c.m.	"	0	
5				"	"	3			29.96	70	61	60		"	"	0	
6				N. E. × N.	"	3			29.95	69	61	60		"	"	0	
7				"	"	3			29.95	66	62	60		"	"	0	
8				N. N. E.	N. N. E.	2			29.99	67	62	60		l.c.m.	"	1	
9				"	"	2			29.99	66	63	61		"	"	1	
10				N. E.	"	2			30.00	68	65	62		"	cirrus	1	
11				Steering	N.	2			30.00	68	66	64		"	"	1	
Noon.				S. W. × S.	"	2			30.02	69	67	66		"	"	1	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 258 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 660 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.												
1		S. S. W.	Noon	0	30.02	70	70	68	o.c.g.	cumulus	0	
2		"	"	0	30.02	70	71	68	"	"	0	
3		S. S. W. × W.	N. N. W.	1	30.02	71	72	69	"	"	0	
4		N. N. E.	N. × E.	1	30.02	72	72	68	o.c	"	0	
5		"	calm	0	30.03	73	72	69	"	"	0	
6		"	"	0	30.04	74	72	69	"	"	0	
7		"	"	0	30.04	74	72	70	"	"	0	
8		"	S. S. W.	1	30.05	74	73	70	"	"	0	
9		S. W. × S.	S. W. × S.	2	30.06	75	72	70	"	"	0	
10		"	"	1	30.08	74	71	69	"	"	0	
11		S. S. W.	S. S. E.	3	30.09	73	71	69	l.c.	cumulus	0	
Mid.		"	"	3	30.09	73	69	67	"	"	4	

under the command of Commander A. S. Snow, U. S. Navy,

Sunday June 22nd, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast, cloudy with rain light to moderate breeze from N.N.E. and N. Sunny to ebb at 1.15

W. R. Mason Field.
Ensign U.S.N.

4 to 8 A.M.

Overcast and misty, weather brightening somewhat last hours. Gentle breeze from N. Ebb tide. At 7.30 the "Yorktown" made time signal and at 7.35 dress signals as follows - 2 & 3 Repeaters, 2 3 & 1 Repeaters, 2 & 1 Repeaters and answering pennant; all answered. Received on board for use of crew 116 3/4 lbs fresh beef and 7 1/2 lbs vegetables

Geo. F. W. Holman
Lieut U.S.N.

8 A.M. to Meridian

Cloudy misty. Light breze from N.N.E. to N. Commenced swinging to flood at 10.40 finished at 11.40. At 9.30 inspected crew. Edward McSweeney (1st T.) absent without leave. At 10. Comdg Officer inspected ships crew. At 10.30 called all hands to "Muster" and published the letter of the Hon. Secty of the Navy, commending the gallant conduct of C. D. Cleary (ord.) & C. Gregory (1st capt) in jumping overboard to rescue David Foley (col) from drowning. At 10.30 "Yorktown" made dress signal 1, 2 & 3 repeaters & ams

F. H. Holmes
Lieut U.S.N.

Meridian to 4 P.M.

Overcast and hazy. Calm first part light airs from N.N.W. hauling to N.E & E. latter part of watch. Commenced swinging to ebb at 3.00 and finished at 3.35. At 3.44 the "Yorktown" hauled down the senior officers pennant and got underway, bound for the Navy Yard. The following signals were made. 12.10 Yorktown to Essex "Will you please send to the Navy Yard for our official letters? Our steam launch is away." Answered "Our mail orderly is at the Yard now and will be back at one o'clock." 12.20 Yorktown to Essex. "Will you send boat for official letters our boat is ashore?" Ans Yorktown to Essex. "To Comdr Snow. The Comdt of the Navy Yard, Capt Miller with Capt Chadwick, - Please say to senior officer present that I would like a messenger sent to my house this afternoon to see if there is any mail for the vessels anchored in the North River. Sgd Lieut Colby." 1.15 "To Capt Snow. He will have for Navy Yard this afternoon. Sgd Lt Colby. 1.20 Essex to Yorktown, A messenger will be sent.

Geo. F. W. Holman
Lieut U.S.N.

4 to 8 P.M.

Cloudy, calm, light airs from S.S.W. - Ebb tide

F. H. Holmes
Lieut U.S.N.

8 P.M. to Mid

Overcast clearing latter part. Barometer steady, light airs to gentle breze from S.W. & S and S.S.E. Finished swinging to flood at 9.05

J. T. Newton
J. T. N.
Lieut U.S.N.

Examined and found to be correct.

W. K. Lemly
Lieut-C. Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,
New York Harbor

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass. Ships Head	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	Flood			S.S.W.	S.E.	2			30.10	73	68	66		f.c	cir cum	3	
2				"	"	2			30.10	72	68	66		b.c.	"	0	
3				"	"	1			30.10	72	68	66		"	"	0	
4	Ebb			N.N.E.	"	1			30.11	72	68	66		b.c. f.	"	0	
5				"	"	2			30.12	72	69	66		"	cumulus	0	
6				"	"	2			30.14	70	67	66		"	cir	0	
7				"	S.S.E.	2			31.15	69	67	65		"	"	0	
8				"	"	2			30.16	69	66	65		"	"	0	
9				"	S.E.	2			30.16	70	67	65		"	"	0	
10				"	S.S.E.	2			30.17	69	67	65		"	"	0	
11				E × N.	"	2			30.18	70	67	65		"	"	0	
Noon.	Flood			S.S.W.	S.	2			30.18	68	67	65		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.: Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M.: Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 260 gallons.

Water received on board during the preceding 24 hours, 2120 "

Water remaining on hand fit for use at Noon, 25740 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.															
1				S.W. × S.	S.W. × S.	2			30.17	70	67	65	b.c. f.	cir	0	
2				"	S.W.	2			30.17	70	68	66	"	"	0	
3				"	"	2			30.16	71	69	67	"	"	0	
4				N.W. ½ W.	N.N.W.	3			30.16	71	69	67	b.c	"	0	
5				"	S.W.	3			30.14	70	69	67	"	"	0	
6				"	S. × W.	3			30.12	69	67	66	"	"	0	
7				W. ½ S.	S.W.	3			30.15	69	67	66	"	cirrus	0	
8	7	6	8.5	"	"	3			30.15	73	67	65	"	"	0	S
9	8	0	15.0	"	"	3			30.18	74	66	65	l.c	"	4	"
10	7	8	22.1	"	"	3			30.18	74	66	65	"	"	4	"
11	8	6	29.4	"	W.S.W.	2			30.19	74	66	65	b.c. l	"	2	"
Mid.	4	6	32.2 37.0	W. ¾ N.	"	2			30.18	74	66	65	"	"	4	"

under the command of Commander A. S. Snow, U. S. Navy,

Monday June 23rd, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Cloudy, with fog last hour. Light breze to light airs from S.E. Commenced swinging to ebb tide at 2.50 finished at 4

F. H. Wilner
Lieut U.S.N.

4 to 8 A.M.
Overcast foggy. Light breze from S.E, hauling to S.S.E. Ebb

Jno F. W. Holman
Lieut U.S.N.

8 A.M. to Meridian
Overcast foggy. Light breze from S.E. to S.S.E. Comd'g swinging to flood tide at 10.45 finished at 11.15. At 9.30 inspected at quarters and exercised as per routine; secured ballery for sea. 1st Lt Waldron (App) returned from leave. Started fires under three boilers at 10.10. Rec'd on board 2120 Gals fresh water. Crew engaged in securing ship for sea. The following changes in rating were made by order of Comd'g Officer. Jno Larsen (sea) to (C. Hold) from June 7; Jno Larsen (C. Hold) to (sea) from June 20; B.H. McKinney (Cks) to (painter) from June 20; Jas Dwyer (Cks) to (C.H.) from June 19; D.S. Milliken (sea) to (C. Hold) from June 20; E. Wachers (Sig'g cook) to (W.R. Cook) from May 11
Ensign Stone ordered to report to Comd'r Navy Yard, New York, for temporary duty on the U.S.S. "Yosemite" upon completion of his duty to resume duty on the Essex

F. H. Wilner
Lieut U.S.N.

Meridian to 4 P.M.
Overcast, misty at times, foggy. Light breze from S.W. and S.W. Barometer steady. Do the "Galena" made sick 4 P.M. "Galena" to Essex 9 P.M. Got underway at 3.10. Steamed towards the Baltimore and anchor off Staten Isld Draught Fwd 14'; amidships 16.8", Aft 16.6

J. F. Webster
Lieut U.S.N.

4 to 6 P.M.
Overcast & cloudy. Gentle breze from S.E. to S.S.E. At 4.54 anchored off Tompkinsville S.I. near the U.S.F.S. Baltimore in 7 fms water with 20 fms on starboard chain. Comd'g Officer called on the Admiral. At 4.55 got underway and stood out to and through main ship channel. Lowered boats for sea and put on chafing gear. 4.45 made signal Lieut. 1890 Flagship and by affirmation pronounced Pollock Frank Vail as Ldg for the cruise. Rec'd from U.S.R.S. "Franklin" 8 M. Cooks (3rd Class) with his bag hammock and mess accounts

J. H. Hatheringston
Ensign U.S.N.

6 to 8 P.M.
Overcast. Gentle breze from S.S.E to S.E. Smooth sea. Steaming out through main & Gedney channels. At 6.53 took departure from Romer Shoal buoy close aboard on starboard beam and set the course E ½ S by the standard compass. At end of watch Poland on port beam and Blake two points forward of port beam.

Jno F. W. Holman
Lieut U.S.N.

8 P.M. to Mid.
Generally cloudy but pleasant; moon & stars occasionally visible. Gentle to light breze from S.E. to E.S.E. Smooth sea. At 9 sighted Pier Head light, bearing about E. by S. At 9.30 it bore N.E. ½ E.; Pat. Log 2.7. At 11.15 it bore N. ½ E.; Pat Log 31.1; & at 12 it bore N.N.W. Pat. Log 37. At 11.25 changed course to E. ¾ N. p.c. Pat Log 42.2 Steam 49 lbs. Rev 40.1 Pat Log 37.0

F. H. Wilner
Lieut U.S.N.

Examined and found to be correct.

Le. K. Semmes
Lieut U.S.N. Navigator.

LOG of the UNITED STATES Steamer "East", 3rd Rate,

At sea making passage from Sandy Hook to Block Island

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	9	2	45.7	E ¾ N.	S × E.	2			30.17	74	66	65	64	h. c. l.	nimb	4	S
2	9	2	52.9	"	"	2			30.17	74	66	64	64	o. l.		0	"
3	8	8	60.07	"	"	2			30.16	73	66	64	64	"		0	"
4	8	8	68.4	"	"	2			30.16	73	66	64	64	o		0	"
5	8	2	76.2	E N. E ¾ E.	E & E	1			30.17	73	66	64	64	"		0	"
6	9	2	83.8	N. E.	E N. E.	1			30.15	71	66	64	64	h. c.	cu am str	1	"
7	9	2	91.9	"	"	1			30.15	70	67	65	63	o c	"	0	"
8	9	2	100.25	N. N. E ¾ E.	"	1			30.15	70	66	65	63	"	"	0	"
9			108.	N. E ¾ E.	N. by E.	1			30.15	71	67	65	59	o. c. m	"	0	"
10			116.	Picking up position	S. by E.	1			30.15	72	67	65	59	"	"	0	"
11			122.7	off Block Island	"	3			30.14	71	67	65	64	"	str cum	0	"
Noon.				S.	"	3			30.13	72	67	65	63	"	"	0	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 230 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2310 "

Coal consumed during the preceding 24 hours, 11 tons 640 lbs.

Coal remaining on hand at Noon, 157 " 590 "

P. M.												
1		Ships Head		3	30.13	71	66	65	o c m	cu str		0
2		S.	S. by E. × E.	"	30.12	71	66	65	"	"		0
3		S. by E. × E.	"	2	30.11	71	67	65	"	"		0
4		E. by S. E.	E. by S. E.	2	30.09	72	67	66	"	"		0
5		E. × S.	"	2	30.07	72	67	66	"	"		0
6		"	S. by E. × S.	2	30.05	72	67	66	"	"		0
7		S. by E. × E.	S. S. E.	2	30.04	71	67	65	h. c.	"		4
8		S. × E.	"	2	30.03	73	66	65	o. c. f.	"		0
9		S. S. E.	"	2	30.03	70	67	66	"			0
10		S. S. E. ¾ E.	"	2	30.03	70	68	66	"			0
11		S. S. E.	"	3	30.02	70	68	66	"			0
Mid.		"	"	3	30.00	74	67	66	"	cu str		0

under the command of Commander A. S. Snow, U. S. Navy,

Tuesday June 24th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Cloudy overcast & foggy. Light breze from S x E. Barometer steady. Frequent lightning about S. H. horizon. At 1.50 lost sight of Fire Isd Light, bearing N. H. 3/4 H. At 3.45 sighted Shinnecock Light bearing N 3/4 H. At 4 changed course to E. N. E. 3/4 E. by order of Comdg Officer. Revolutions per minute 47.7

J. H. Hetherington
Ensign U.S.N.

4 to 8 A.M.

Cloudy + overcast. Light airs from E. S. E. to E. N. E. Barometer steady. Smooth sea. At 5.30 stopped + sounded in 26 fms yellow sand broken shells. At 5.40 pd 00.75 c to N. E. At 7 sighted Montauk Light House 4 pts on port bow. At 7. 26 c.c. to N. N. E. 5/8 E. pd 9s At 8 o'clock pat log read 100.25. Av. steam pressure 55 lbs. Av. revolutions 47.2

J. H. Hetherington
Ensign U.S.N.

8 A.M. to Meridian

Overcast and hazy. Light airs variable from E. N. E. to N. H. first hour; settling in S. H. after 9 o'clock. Steaming for position off Block Island at the Eastern end of the forty mile course laid out for the Philadelphias trial; making a course of N. E. 3/4 E. first hour, and standing out on the range from Block Island after that. At 8.30 sighted Block Island ahead. At 9. Montauk light bore abeam (N. E. 3/4 N. pc) distant about 7 miles. At 9.30 mustered at quarters, and drilled according to routine. At 10.50 hauled in pat. log, reading 122.7 The weather becoming too thick to enable us to keep the shore marks for establishing our position in sight, the starboard anchor was let go at 11.06 in 15 fms of water, soft sandy bottom; 45 fms being veered on the chain. Bearings from anchorage pc. Lt. Ho. S. E. point of Block Island N. 6° E. distant 4 miles. Ships draft, fwd 13'10"; amidships 15'01", aft 16'03"

Geo. F. W. Holman
Lieut U.S.N.

Meridian to 4 P.M.

Cloudy + hazy with fog over the land. Gentle to light breze from S. H. to H. S. H. U.S.S. Vesuvius passed within hail + steamed in behind Block Isl. to communicate by telegraph with Capt. Erben U.S.N.

[illegible]
Lieut U.S.N.

4 to 6 P.M.

Overcast cloudy. Light breze from H. S. H. Barometer steady. Smooth sea. Released C.B. Cadet (P.M.) this term of confinement having expired

Geo. F. Holman
Lieut U.S.N.

6 to 8 P.M.

Cloudy during first hour, then overcast + foggy. Light breze from S. S. H. At 6.35 U.S.S. Vesuvius came within hailing distance, and then anchored about 1/2 mile to westward of this ship.

J. H. Hetherington
Ensign U.S.N.

8 P.M. to Mid

Overcast and foggy. Light to gentle breze from S. S. H.

Geo. F. W. Holman
Lieut U.S.N.

Examined and found to be correct.

[illegible]
Lieut, U.S. Navigator.

LOG of the UNITED STATES Steamer Essex , 3rd Rate,

Off Block Island R. I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S. W.	S. W.	3			29.98	74	68	66		b. c. f.	cumuli	0	
2				S. W. × S.	"	2			29.96	73	68	66		b. c. m.	"	2	
3				S. W.	"	3			29.93	73	68	66		b. c. m.	"	0	
4				"	"	3			29.92	72	67	66		f.	"	6	
5				S. W. × W.	"	2			29.91	73	67	66		"	"	0	
6				W. × S.	"	3			29.90	72	67	66		"	"	0	
7				W. × N.	S. W. × W.	3			29.89	71	66	66		f. d.	"	0	
8				N. W. × N.	W. S. W.	4			29.89	71	65	66		"	"	0	
9				N. N. E.	W. × N.	2			29.87	72	66	66		o. c. f. m.	"	0	
10				E. S. E.	N. W.	2			29.87	72	65	64		"	"	0	
11				E. × N.	W.	2			29.87	72	67	66		b. c. g.	circum	6	
Noon.					"	2			29.85	74	70	68		"	cum	6	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.:
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.:
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 220 gallons.

Water distilled during the preceding 24 hours, 150 "

Water remaining on hand fit for use at Noon, 2235 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.												
1		S. E. × E.	W.	2	29.84	73	72	69	b. c. g.	cumuli		8
2		"	"	2	29.83	74	70	68	"	"		8
3		"	"	2	29.83	74	69	67	"	"		8
4		"	N. W.	3	29.82	74	71	67	"	circum		8
5		N. W.	"	2	29.82	75	72	67	"	"		4
6		N. × W.	N.	2	29.83	74	71	67	"	cum		2
7			"	3	29.83	74	70	66	"	"		3
8			N. W. × W.	2	29.83	77	70	66	b. c.	cumuli		8
9			"	2	29.85	78	70	67	"	circum		9
10		N. W. × N.	"	3	29.85	78	69	67	"	"		9
11		N. × W.	"	3	29.86	77	69	66	"	"		9
Mid.		N. W. × W.	"	2	29.85	77	68	66	"	"		8

under the command of Commander A. S. Snow, U. S. Navy,

Wednesday June 25th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Cloudy with fog first last hours Light to gentle breze from S.W. Smooth sea Under banked fires

F. H. Briener
Lieut U.S.N.

4 to 8 A.M.
Foggy thickening at end of watch. Light to moderate breze from S.W. & W and W. & S.W. Smooth sea. Barometer falling slowly Raining and drizzling at times

J. J. Nelson
Lieut U.S.N.

8 A.M. to Meridian
Overcast cloudy foggy misty during first two hours then clearing and hazy around the horizon. Light breze from W. to N.W. At 9.30 inspected crew at quarters & drilled as per routine At 10.15 U.S.S. Vesuvius got underway and steamed towards Block Island. Commenced distilling at 10 o'clock

J. H. Hutchinson
Ensign U.S.N.

Meridian to 4 P.M.
Clearing weather but still hazy, Montauk Light not becoming distinct until about 3.30 Light to gentle breze from W. hauling to N.W. The Philadelphia came out making a run over the course turning when on the range and returning to the westward. Exercised 1st Div at small arm practice at target towing astern and 2d Div at revolver practice at a target on the lower bronze At 4 stopped distilling Total amount distilled 448 gals. Quarterly examination of apprentices in progress.

Jungr. G. W. Holcomb
Lieut U.S.N.

4 to 6 P.M.
Fine pleasant weather Light breze from N.W. Clear overhead with fog banks over Long Isl At 4.30 spread fins. At 5.20 turned engine over and found water valve on fore cylinder held open by iron wedge took off valve and cleaned it.

F. H. Briener
Lieut U.S.N.

6 to 8 P.M.
Clear & pleasant. Barometer steady. Gentle to light breze from N. and N.W. & W. Got underway at 6.35 Stood out on range and anchored at 7.40 in 27 1/4 fms starboard anchor - 90 fms starboard chain Bearing from anchorage Light House Block Island N. 1/2 W. and Montauk Lt. N.W. & W. - W. 1/2 W. (p.c.)

J. J. Nelson
Lieut U.S.N.

8 P.M. to Mid
Clear & pleasant. Light to gentle breze from N.W. & W. Bright moonlight

J. H. Hutchinson
Ensign U.S.N.

Examined and found to be correct.

W. K. Ernst
Lieut-C. Navigator.

LOG of the UNITED STATES Steamer Essex , 3rd Rate,

Off Block Island R.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N.× N.	N.N.W.	3			29.84	77	69	66		b	None	10	
2				"	"	3			29.84	76	69	66		"	"	10	
3				N. W.	"	3			29.83	75	68	65		"	"	10	
4				"	N. W.	3-4			29.83	75	68	65		b.c	cir str	8	
5				"	"	3			29.84	74	67	64		"	"	9	
6				N. W. × N.	"	3			29.83	72	67	64		b.	None	10	
7				N.N. W.	"	3			29.86	72	66	64		b.c	cir	9	
8				"	"	2			29.85	72	66	64		"	"	9	
9				N. W. × N.	"	2			29.85	71	67	64		"	"	9	
10			1-5	N.E.×E. 1/8 E.	"	2			29.84	71	67	64	65	"	cir cum	9	
11	4	3	8-2	N.E.× E.	"	3			29.84	71	67	64	65	"	"	8	
Noon.	4	3	16-0	"	"	3			29.83	71	68	64	65	"	"	8	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 222 gallons.

Water distilled during the preceding 24 hours, 298 "

Water remaining on hand fit for use at Noon, 2311 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.																	
1	9	2	24.3	N.E.× N.	N.N.E.	3			29.81	72	68	64	62	b.c	cir cum	6	
2	9	2	32.8	"	"	3			29.79	72	69	64	64	"	"	6	
3			40.1	N.E.×E. 1/4 E.	"	3			29.79	74	73	66		"	"	4	
4					"	3			29.79	74	72	68		"	"	4	
5					"	2			29.79	75	72	67		"	"	3	
6					Variable	0			29.79	70	72	67		"	"	3	
7					"	0			29.79	75	71	68		b.c.f.	cum cirr	3	
8				Swinging	"	0			29.82	79	71	68		"	"	2	
9				N. W. W.	N. W.	3			29.87	80	70	67		o. r.	"	0	
10				N. W. × N.	"	1			29.86	80	71	67		b.	"	5	
11				"	"	1			29.86	80	69	66		"	"	8	
Mid.				"	Calm	0			29.85	79	68	65		b	None	10	

under the command of Commander A. S. Snow, U. S. Navy,

Thursday June 26th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM
Clear and pleasant. Gentle breze from N.N.W to N.W.

Geo. F. Wadleigh
Lieut U.S.N.

4 to 8 AM.
Clear & pleasant weather. Gentle to light breze from N.W. Smooth sea. At 4.35 spread fires. At 5.20 got under way & steamed into position, assigned this ship for trial trip of the Philadelphia, and let go starbd anchor in 2½ fms water, 60 fms chain. Hoisted signal and fired 8 M.L.R. At 6.30 hauled down signals, Light fires with holes in them

Geo. F. Wadleigh
Lieut U.S.N.

8 AM to Meridian
Bright and pleasant. Barometer steady. Gentle breze from N.W. Exchanged numbers with the Dolphin at 9 AM. At 9.25 Dolphin came alongside bringing word that the Philadelphias trial had taken place yesterday. At 9.55 got under way shaping course for Vineyard Lt Ship. At 10.05 made sail to Lgt-sails. At 11.25 furled square sail. At 10 set course N.6.x.E.½E. by C. reading 1.5 At 10.30 changed course to N.E.x.E. Steam revolutions per min. 47.1 Steam pressure 48 lbs.

J. T. Newton
Lieut U.S.N.

Meridian to 4 PM.
Partly clear & cloudy & pleasant. Gentle breze from N.N.E. Standing into Vineyard Sound 220 Gay Head Lt. abeam At 3.30 took in fore & aft sail. At 3.45 exchanged numbers with U.S.S. Dolphin at anchor in Vineyard Haven & recived permission to anchor At 4 to came to in 4½ fms water with 15 fms on starbd chain. Bearings at anchorage West Chop Lt. (p.c.) N.W.½W. Flagstaff Marine Hospital S.W.¾S. Ships draught fwd 13.10 amidships 14.6 aft 16.5

J. A. Hutchinson
Ensign U.S.N.

4 to 8 PM.
Light breze from N.N.E. first hour, light variable airs after that from E through S to W. Occassional passing showers. Ballast fires. The Petrel came in at 6 and anchored inshore of the Dolphin. The following signals were made:- 4.10; Petrel to Dolphin 2100. 2121 Answd 904. 6.05 Petrel to Dolphin Int. 1211, 6.12 Dolphin to Petrel. Tel 624-5501-9319-0510.

Geo. F. Wadleigh
Lieut U.S.N.

8 PM to Mid
Overcast, raining in showers first half, clear latter part. bright moonlight. Gentle breze and light airs from N.W. and calm

J. T. Newton
Lieut U.S.N.

Examined and found to be correct.

G. K. Lemmon
Lieut-C. Navigator.

LOG of the UNITED STATES Steamer "Ossif", 3rd Rate,

Vineyard Haven Mass

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N. N. W.	W.	2			29.84	78	68	60		h.c.	cum nim	8	
2				N. W.	"	2			29.83	76	66	64		"	cum	9	
3				N. E.	N. W.	2			29.82	71	66	64		"	"	9	
4				N. E. × E.	N.	3			29.82	69	66	63		"	cir cum	8	
5				"	N × E.	3			29.82	68	65	62		"	"	8	
6				"	"	3			29.82	67	63	61		"	"	5	
7				"	"	3			29.83	66	64	62		"	"	5	
8				N. E. × N.	N. E.	3			29.83	67	65	62		"	"	5	
9				N. N. E.	"	4			29.85	68	65	61		"	"	2	
10				"	"	3			29.86	69	65	60		"	"	2	
11				"	"	3			29.87	69	64	60		"	"	5	
Noon.				N.	"	3			29.90	69	64	60		"	"	3	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 261 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2050 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.														
1			N.	N. E.	3		29.90	70	65	60	h.c	cum str	1	
2			"	"	3		29.91	70	65	59	"	0	1	
3			N. E.	N.	2		29.92	70	66	61	"	cir cum	8	
4			E.	N. N. E.	2		29.92	70	67	62	"	"	8	
5			"	E. N. E.	2		29.92	71	68	63	"	"	8	
6			"	N. N. W.	1		29.92	71	68	63	"	"	8	
7			"	N × E.	2		29.92	71	69	64	"	"	9	
8			N. E. × E.	"	3		29.93	71	68	64	"	"	6	
9			N. × N.	N.	2		29.94	74	64	61	"	"	5	
10			"	"	3		29.94	74	64	61	"	"	5	
11			N.	"	2		29.93	75	63	61	"	"	3	
Mid.			"	"	3		29.93	74	63	62	"	"	3	

under the command of Commander A. S. Snow, U. S. Navy,

Friday June 27th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Clear & pleasant. Light to gentle breeze from N to N.

J. H. Hotchkiss
Ensign U.S.N.

4 to 8 a.m.
Fair. Gentle breeze from N. hauling to N.E. At 7.20 loosed sail in obedience to signal. The following signals were made by the Dolphin 7.10 Prep. 5 & 55; 7.20, 5 & 55; 7.30, Time signal; 7.35, 1st, 2 & 3 repeaters, 3rd repeater & numeral pennant. All answered

Geo. L. Watkins
Lieut U.S.N.

8 a.m. to Meridian
Partly cloudy, but pleasant. Gentle to moderate breeze from N. N.E. Moderate sea. Veered chain to 25 fms. At 9 30 inspected at quarters & afterwards had battalion drill. At 10 furled sail in obedience to signal. Comdg Officer of Dolphin paid an official visit to his ship. By order of Comdg Officer J. Mc. Keburn (crc) was reduced to 4th class conduct list for overstaying leave. Enlisted C. & P. Weichert (Cds) for three (3) years general service. Following signal read during watch 4 & 26 - 62 & 26 & 29 & 4. Fires banked.

[illegible]
Lieut U.S.N.

Meridian to 4 p.m.
Cloudy clearing latter part. Barometer steady. Gentle to light breeze from N.E. and N. At 1 had fire quarters: 1st stream 1.30; 2d Stream 2.; 3rd Stream 2.20; Engineers 3. Tested the flood cocks of the gun powder and gun cotton magazines. Made monthly inspection of Dry Gun Cotton. Frank R. Neal (Cds) was rated Cabin Cook by order of Comdg Officer.

J. J. Nicholson
Lieut U.S.N.

4 to 8 p.m.
Clear & pleasant. Light breeze from N.N.E. and E.N.E. Fires banked.

J. H. Hotchkiss
Ensign U.S.N.

8 p.m. to Mid
Pleasant weather. Partly cloudy with bright moonlight at times. Gentle to light breeze from N.
Banked fires.

[illegible]
Lieut U.S.N.

Examined and found to be correct.

Lee R. Lemon
Lieut U.S. Navigator.

LOG of the UNITED STATES Steamer "East", 3d Rate,

Vineyard Haven Mass.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N. × N.	N.N.W.	2			29.94	70	64	63		b.c	cum	4	
2				N.N.W.	"	2			29.92	73	64	63		"	"	8	
3				N.N.W.	"	3			29.91	73	64	63		"	cum str	9	
4				N.	"	3			29.91	72	65	62		b	none	10	
5				N.E.	N.W.	4			29.90	70	65	62		b.c	cir str	9	
6				"	"	2			29.90	69	67	64		"	"	6	
7				"	"	3			29.90	68	67	64		"	cir cum	6	
8				"	"	3			29.89	68	68	65		"	"	6	
9				N × W.	"	1			29.89	70	69	64		"	"	8	
10				N.W.×W.	N.N.W.	1			29.88	71	70	66		"	"	7	
11				N.W.×N.	E.	2			29.88	72	71	66		"	"	6	
Noon.				E × N	E.S.E.	3			29.86	73	70	66		"	"	6	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 29f gallons.

Water distilled during the preceding 24 hours, 116 "

Water remaining on hand fit for use at Noon, 1868 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.														
1				S.W.×S.	S.E.	3			29.88	72	70	65	b.c	cir cum	4	
2				S.W.×W.	"	3			29.87	72	70	66	"	"	5	
3				E.	"	3			29.86	72	70	66	"	"	6	
4				S.E.×E.	"	3			29.86	73	69	65	"	"	1	
5				E.S.E.	S.	3			29.86	71	67	63	"	"	6	
6				E.S.E. 1/2 E.	E.S.E.	4			29.86	70	64	62	"	cir cum str	6	
7	5	0	40	"	"	4			29.87	69	63	61	"	"	5	
140 8	8	3	10.5	E.S.E. 1/2 E.	"	4			29.88	73	63	60	"	"	8	
F26 9			13.5	E.S.E.	"	3			29.89	73	64	61	"	"	9	
10				"	"	3			29.89	74	65	61	"	"	9	
11				"	"	3			29.89	75	65	61	"	cir cum	6	
Mid.				"	"	3			29.90	74	65	61	"	"	9	

under the command of Commander A. S. Snow, U. S. Navy,

Saturday June 28th 18, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 am
Clear and pleasant. Light to gentle breze from N. N. W. Barometer falling slowly

J. T. Nicolin
Lieut U.S.N.

4 to 8 AM.
Clear & pleasant. Light to moderate breze from N. W. At seven the Flagship Baltimore & Kearsarge were made out from the mast head. Signaled Dolphin & Petrel that the Flagship was coming. Spread fires and made preparations for getting underway At 7.15 Flagship made her number and Gen. signal 1890 At 7.40 in working engine preparatory to getting underway the flange of standard of the reversing gear was fractured in several places, disabling the engine. Have in to 20 fms on starboard chain. Banked fires At 7.50 made under telegraphic signal 7937, 1498, 6088, 1902. Dolphin & Petrel got underway and joined Flagship

J. A. Hutchinson
Ensign U.S.N.

8 AM to Meridian
Clear and pleasant. Light airs from N. N. W. first hour, shifting to Sast 10, and then hauling to S.S.E. increasing in force to gentle breze. At 9.30 mustered at quarters. Engineers force engaged in repairing engine. Aired bedding. The Baltimore, Dolphin & Petrel steamed away to the Eastward bound for Portland. The following signals were made - 8.00, Essex to Baltimore Int. 1364, Ans by negative pennant; Baltimore to Essex 1891; Essex to Baltimore 3669; Baltimore to Essex 1270 and Int. 1275; Essex to Baltimore Numeral 7; Baltimore to Essex 5794.

Jacob H. Holtzman
Lieut U.S.N.

Meridian to 4 PM.
Partly cloudy pleasant weather. Gentle breze from S.S.E. Fires banked. Engine force at work repairing standard of reversing gear. Sold deserters effects at auction; total amount realized $15.15

E. O. Pendleton
Lieut U.S.N.

4 to 6 PM.
Clear and pleasant. Gentle to moderate breze from S and S.S.E. Barometer steady. Got underway at 5 to. Course E.N.E.1/2 E. At 5.47 course E by N. at 5.55 S.3/4 E.; at 6.00 E.S.E.1/2 E. Released 2 Italians from confinement. Draught forward 18.10, aft 18.5

J. T. Nicolin
Lieut U.S.N.

6 to 8 PM.
Clear & pleasant, moderate breze from E.S.E. at 6.17 put over pat. log reading 0 At 6.33 it read 1.9. Cape Poge Lt Ho abeam, Cross Rip Lt Ship ahead At 7.40 Cross Rip Lt Ship abeam close aboard. pat log 8.3. Headed out Nantucket East Channel At 8 Sankaty Head bore S.E. 1/4 E. Handkerchief Lt Ship N.E.1/4 N. pat 10.6.

J. A. Hutchinson
Ensign U.S.N.

8 PM to Mid.
Clear & pleasant with bright moonlight until last hour, when the sky clouded over for a short time and then cleared again. Gentle breze from E.S.E. At 7.45 passed Cross Rip Light Ship. At 8.26 stopped the engines. at 8.58 let go the starboard anchor in 8 fms water, soft sandy bottom, veering 25 fms on the chain. Bearings from anchorage (pc) Nantucket Lt E.S.E. 1/2 E. Handkerchief Light Ship E.N.E. 1/2 E. Banked fires

Jacob H. Holtzman
Lieut U.S.N.

Examined and found to be correct.

C. K. Benson
Lieut., U.S.N. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

At sea, making passage from Vineyard Haven to Portland, Me.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S. E.	E. S. E.	1			29.92	73	66	61		b.	None	10	
2	swinging				"	1			29.92	73	64	61		b. c.	cum. cir.	9	
3				N.	"	1			29.92	72	64	61		"	"	9	
4				"	"	1			29.93	71	64	61		"	"	8	
5	1	8	7.2	E. 3/4 S.	N. E.	2			29.96	68	62	59		b.	None	10	S.
6	8	0	9.0	E. N. E. - 1/2 E.	"	2			29.96	68	62	59		b. c.	cir. cir.	9	"
7	1	0		N. 1/4 E.	"	2			29.97	71	62	60		"	"	9	"
8	8	0	23 1/4	"	"	2			29.97	69	64	61		"	"	9	"
9	8	4	31.0	"	N. N. E.	2			29.97	68	65	62		"	"	9	"
10	8	6	38.5	"	"	2			29.98	70	66	63		"	"	8	"
11	8	6	46.0	"	"	2			29.99	70	66	63		"	"	8	"
Noon.	8	4	53.2	"	"	2			29.99	70	66	62		"	"	8	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 308 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1580 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.																	
1	8	4	60.0	N. 1/4 E.	N. N. E.	2			29.99	70	66	62	64	b. c.	cir. str.	8	S
2	8	3	68.4	"	"	1			30.00	71	67	62	64	"	"	8	"
3	8	6	76.1	"	"	1			29.99	72	68	63	65	"	"	7	"
4	9	0	83.8	"	N.	1			29.99	73	68	64	65	"	"	7	"
5	9	2	91.6	"	N. N. W.	1			29.98	74	68	63	63	"	"	7	"
6	9	1	99.5	"	N. W.	1			29.98	73	65	63	60	"	"	3	"
7	9	0	107.2	"	"	1			29.97	73	66	64	60	"	"	2	"
8	9	0	115.0	"	"	1			29.99	73	65	63	60	"	"	4	"
9	9	4	122.8	"	E.	1			30.00	70	66	64	60	"	"	8	"
10	9	2	130.8	N. N. E. 1/4 E.	Calm	0			30.00	74	66	64	60	"	"	9	"
11	9	1	138.0		S. E.	2			30.00	74	65	63	59	b. w.	None	10	"
Mid.	9	1	143.0		S.	2			30.00	73	64	62	58	"	"	10	"

under the command of Commander A. S. Snow, U. S. Navy,

Sunday 29th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Bright starlight. Light airs from S.S.E. Moon set at 1.35

Lieut U.S.N.

4 to 8 a.m.
Bright and pleasant. Light breeze from N.E. Barometer steady. Got underway at 4.24. Steamed through East channel. At 6.42 with departure Nantucket Lt. bearing W. 1/4 S.; Pollock Rip Lt. Ship N.W. 3/4 N. set course N. 1/4 E. fl. reading 14. At 8 a.m. Pollock Rip Lt. Ship bore W.S.W. 1/2 W.; Chatham Lt. Ho. N.W. 1/2 N. fl. reading 23/4. Av. steam pres. 49, revolutions 42 per min

J. T. Newton
Lieut U.S.N.

8 a.m. to Meridian
Clear & pleasant. Light breeze from N.N.E. At 9.30 mustered & inspected crew at quarters. Standing off coast of Cape Cod on course N. 1/4 E. At noon Highland Lt. abeam distant 7.5 miles, fl. 5.3.2. Av. steam pres. 52. Av revs. 44.5.

J. H. Hetherington
Ensign U.S.N.

Meridian to 4 p.m.
Clear & pleasant. Light breeze to light airs from N.N.E. backing to N.W. Steering a course under steam alone N. 1/4 E. Average steam pressure 49 lbs; average revolutions 45.4

Geo. F. Wilton
Lieut U.S.N.

4 to 6 p.m.
Partly cloudy pleasant weather. Light airs from N.W. to W. Smooth sea. At 5.20 set foresail. Scraped spars. Land in sight along port bow. Steam 45. Rev. 44. Pat. Log 99.0 Course N. 1/4 E. fl. c.

Lieut U.S.N.

6 to 8 p.m.
Cloudy. Light airs from W. At 7.54 Brown Ledge Lt. bore W. 1/4 N. fl. reading 114. Av. steam pres. 43. Av. revolutions 45.1

J. T. Newton
Lieut U.S.N.

8 p.m. to Mid.
Clear & pleasant. Calm & light airs to light breeze from E. to S. Bright moonlight. At 8.15 sighted Cape Elizabeth Ids dead ahead. At 9 changed course to N.N.E. 1/2 E. Headed in for Half Way Rock Lt. At 11.40 headed to westward for Portland Head, giving one bell on engines from 10.40. Av. steam pres. 42.6. Av. revs. 45.5

J. H. Hetherington
Ensign U.S.N.

Examined and found to be correct.

W. K. Lewis
Lieut. U.S.N. Navigator.

LOG of the UNITED STATES Steamer "East" Portland Me. , 3" Rate,

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1			6.4		E	2			29.99	73	62	61	57	b	None	10	S
2			5.1/2		"	1			29.99	73	62	60	57	"	"	10	"
3			"	N.E.×N	N.E. N.	1			29.99	72	62	61		o.c.f.		0	
4				"	"	1			29.99	71	62	61		"		0	
5				E. S. E.	N.N.	1			30.00	70	61	66		b.c.f.	cir cum clo	1	
6				"	"	1			30.00	69	62	60		b.c	cir cum	1	
7				S.E.×E.	"	1			30.00	67	63	61		"	"	0	
8				S. E.	"	1			29.99	68	63	62		"	"	2	"
9				N.N.E.-N.	Calm	0			29.98	66	65	63		"	"	5	
10				N.N.E.-1/2 N.	S.S.E.	1			29.97	65	65	63		"	cum	9	
11				Getting into position	E	2			29.96	67	68	64		"	"	9	
Noon.					"	2			29.96	69	69	65		"	"	9	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 246 gallons.

Water distilled during the preceding 24 hours, 180 "

Water remaining on hand fit for use at Noon, 1494 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.														
1	N.N.E.×N.	S.E.	2	29.96	71	72	67	b.c	cir cum	8				
2	S.E.	"	3	29.97	72	74	67	"	"	8				
3	"	"	3	29.97	75	74	68	"	"	6				
4	"	"	3	29.96	74	74	68	"	"	6				
5	S.E.×E.	"	3	29.95	75	73	67	"	"	7				
6	"	"	3	29.95	74	70	65	"	"	8				
7	"	"	2	29.95	73	70	66	"	"	8				
8	S.S.E.	E.	1	29.95	74	69	67	"	"	8				
9	N.E.	N.	1	29.96	73	69	66	b	None	10				
10	"	"	1	29.97	74	67	65	"	"	10				
11	Leaving N.E.	"	2	29.98	74	66	64	"	"	10				
Mid.		"	2	29.98	73	65	63	"	"	10				

under the command of Commander A S Snow, U. S. Navy,

Monday June 30th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 am.
Clear & pleasant until hrs, when a thick fog came in. Light breze to light airs from S. to N.-E.-N. Standing into Portland Harbor. At 2.29 let go starboard anchor in 6 fms water soft bottom, veering to 15 fms on chain. Banked fires. Present in port the Baltimore, Dolphin, Kearsarge and Petrel. Ships cutter Wales prisoner at large was returned to the brig for safe keeping. Bearings from anchorage P.C. Portland breakwater Lt. N-½-W, Portland Head Lt. S. & E. ½ E. The following signals were made 2.05 ships number, 2.10 Int 12 11 and affirmative, 2.35 permission to haul fires, granted

Jas. H. Holcomb
Lieut U.S.N.

4 to 8 am.
Cloudy, Barometer steady. Light airs from N.N.E. At 7.30 Flagship made 1st R 2nd R 3rd R, 1st R 2nd R, 2nd R 3rd R made official signal, permission to spread fires to ships berth by order of Harbor Master. Flagship and affirmative

J. T. Newton
Lieut U.S.N.

8 am. to Meridian
Clear & pleasant weather. Calm and light breze from S.S.W.-½-W. to S. and S. At 8.30 started fires under two boilers and 0 & 5 ships berth to position signalled by Flagship. The following signals made during the watch. 6014, Tel 5468, 3310, 4210, 0093, 6115 & Essex to Baltimore Int. 4890. Ships draft fwd 13.5', Amid. 14.11', Aft 16.5'.

~~J. T. Newton~~
Lieut U.S.N.

Meridian to 4 PM.
Clear & pleasant. Light to gentle breze from S.W.-N. Barometer steady. At 1.30 Balt made 120 and 115, 135, 343, 7497, 3226, 0000, 9422. At 1.30 commenced shifting berth finished at 3.20. Bearing from anchorage, Portland Head Lt S ¼ E., Portland Breakwater Lt. S.S.W.-½-W. P.C. 20 fms port chain, 6¼ fms water. Hauled fires

J. T. Newton
Lieut U.S.N.

4 to 8 PM.
Clear warm & pleasant. Gentle breze to light airs from S.W.-N. shifting to N.W. last hour. Mustered at quarters and aired out clean hammocks. Thos Grenhalgh (C.H.) was placed under sentry by order of Comdg Officer to await action of Dept. charge for refusing to obey order of Exec Capt. and Officer of the Deck.

~~J. T. Newton~~
Lieut U.S.N.

8 PM. to Mid
Clear & pleasant. Bright moonlight. Barometer steady. Light airs and light breze from N.

J. T. Newton
Lieut U.S.N.

Examined and found to be correct.

W. K. Lemly
Lieut. U.S. Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,
Portland Me.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N × W.	N. N. E.	1			29.99	72	66	63		b. cu.	none	10	
2				N.	"	1			29.99	70	66	63		b. m. u	"	10	
3				N × E.	N. N. W.	1			30.00	69	64	62		"	"	10	
4				N. N. E.	N. N. E.	1			30.01	68	63	61		"	"	10	
5				S. W. × S.	Calm	0			30.03	68	63	62		"	"	10	
6				"	"	0			30.05	67	64	63		"	cir	9	
7				"	N. E.	1			30.07	67	66	64		"	cir cum	9	
8				"	E. N. E.	1			30.07	69	67	65		"	"	9	
9				S. E. × S.	S. S. W.	1			30.08	68	67	64		l. c	"	9	
10				S. E. × E.	S. S. E.	1			30.08	68	66	64		"	"	9	
11				"	"	2			30.09	68	66	63		"	"	9	
Noon.				N × E.	"	2			30.09	68	66	64		"	"	9	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″
Latitude by observations of ⊙ ° ′ ″
Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″
Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″
Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 634 gallons.

Water purchased during the preceding 24 hours, 2160 "

Water remaining on hand fit for use at Noon, 2960 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.												
1			N.	S. S. E.	2	30.09	66	66	64	l. c	cir cum	6
2			"	"	2	30.10	66	66	64	"	"	6
3			S. S. W.	"	2	30.10	66	66	64	"	"	6
4			"	"	2	30.10	68	66	64	"	"	6
5			S.	"	2	30.09	67	66	64	"	cir clo	4
6			"	"	2	30.09	66	65	63	"	"	4
7			S. S. W.	S. E.	3	30.09	66	66	63	"	cum	2
8			S. S. E.	"	1	30.09	66	63	62	f.	mist	0
9			S. E.	"	1	30.10	70	63	62	o. c. f.	"	0
10			E. N. E.	"	2	30.10	71	63	62	"	"	0
11			N. N. E.	"	1	30.11	71	64	62	o. c. m.	cum	0
Mid.			N.	"	1	30.11	71	65	63	f.	cu mil	2

under the command of Commander A. S. Snow, U. S. Navy,

Tuesday July 1st, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Clear & pleasant. Bright moonlight. Heavy dew. Light airs from N.N.E. to N.N.W.

F. A. Miller
Lieut U.S.N.

4 to 8 a.m.
Clear & pleasant. Calm & light airs from E.N.E. & N.E. Barometer rising. Scrubbed hammocks. At 7.30 Flagship made signal 1st, 2nd & 3rd repeaters; 1st & 2nd repeaters; 2nd repeater & numeral. At 8 distinguishing pennant and Ensign flag. Rec'd on board 141/2 lbs fresh beef, 118 1/4 lbs fresh vegetables, 95 lbs fresh bread. At 8 hoisted Guard flag.

J. H. Hetherington
Ensign U.S.N.

8 a.m. to Meridian
Clear & pleasant. Light airs from S.S.W. and S.S.E. Barometer steady. Thos. Green Ldg Yk (C.H.) was confined to await trial by Court Martial, and Lem Wales (Ck. H.) released and placed under sentry's charge. Received 200 Gals of water. At 10.46 the Fort saluted Adm. Gherardi with 13 guns; Flagship replied with 13. A board of Engineer Officers consisting of Chief Eng. Tower, Chief Eng. Windsor, P. Asst. Eng. Rowbotham, came on board to survey damaged reversing gear.

J. F. Newton
Lieut U.S.N.

Meridian to 4 p.m.
Clear & pleasant. Light breeze from S.S.E. Crew engaged in painting ship outside. At 1.30 in obedience to signal from flagship exercised at battalion drill. At 2.30 flagship made general signal 39 & 8. Piped down scrubbed hammocks. Went to quarters & turned in clean hammocks. At 3.45 flagship signalled 2160 & 2167 and Tel. 9622, 945, 4285 & 7, 6908, 4204, 4314, Num 9 Ans. 8. Sent guard boat to flagship in obedience to order.

J. H. Hetherington
Ensign U.S.N.

4 to 8 p.m.
Overcast, foggy from 7 to 8. Barometer steady. Light airs and light breeze from S.E.

J. F. Newton
Lieut U.S.N.

8 p.m. to Mid.
Overcast, cloudy, foggy & misty. Light airs to light breeze from S.E.

J. H. Hetherington
Ensign U.S.N.

Examined and found to be correct.

W. K. Lemly
Lieut. & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,
Portland Me.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				N.	E.	2			30.11	71	68	63		o.c.	cirrus	10	
1				"	"	2			30.11	70	64	62		"	"	10	
2				"	N.	1			30.11	70	63	62		"	"	10	
3				"	E.	1			30.11	70	64	62		"	"	10	
4				E. x N.	E.N.E.	1			30.11	68	64	62		h.c.f.	"	1	
5				E.	"	2			30.11	64	62	61		o.c.f.	cirrus	0	
6				S. x E.	E.	2			30.11	63	61	60		o.c.	"	0	
7				"	"	1			30.10	64	64	63		h.c.	cir.cum	4	
8				S. S. E.	S. S. E.	2			30.09	67	65	63		"	"	5	
9				"	"	2			30.09	69	67	63		"	"	6	
10				"	"	3			30.09	68	66	64		"	"	6	
11				E. x S.	"	2			30.09	69	66	64		"	"	6	
Noon.																	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 369 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 25-91 "

Coal consumed during the preceding 24 hours, tons ~~400~~ lbs.

Coal remaining on hand at Noon, 127 " 750 "

P. M.												
1	N E x N	S. S. E.	3	30.08	69	68	65	h.c.	cir.cum	4	
2	N. N. E.	"	3	30.08	69	69	66	"	"	2	
3	"	"	3	30.06	67	68	65	"	"	1	
4	S. E.	"	3	30.05	68	66	64	"	"	2	
5	S.	S.	2	30.03	68	66	64	"	cir.str	4	
6	S. S. W.	S. S. E.	2	30.03	70	66	64	"	"	4	
7	"	S. S. W.	2	30.04	72	66	64	"	"	2	
8	"	"	2	30.04	72	65	63	"	"	2	
9	S.	"	3	30.03	73	67	65	o.c.	cir	0	
10	"	"	2	30.03	75	65	64	"	"	0	
11	S. S. E.	S. W.	3	30.02	76	67	65	o.c.m.	cir.str	0	
Mid.	S. x W.	"	2	30.02	74	66	65	h.c.m.	"	1	

under the command of Commander A. S. Snow , U. S. Navy,

Wednesday July 2nd , 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant. Barometer steady. Light breze and light airs from E and N.

J T Newton
Lieut U.S.N.

4 to 8 A.M.

Cloudy foggy first part of watch. Light airs to light breze from E to E.N.E. Lowered the launches ready to land the battalion. The following signals were made. 7.30 - time signal. 7.35 1st, 2nd & 3rd repeaters 1 & 2 repeaters. 3rd repeater numeral. Issued for use of crew 118 lbs sea, fresh beef & vegetables & 95 lbs soft bread.

Geo F Holman
Lieut U.S.N.

8 A.M. to Meridian

Fair and warm Light to gentle breze from S.S.E. At 8.30 flagship signaled Prep 59. At 8.00 Gen. 2166. At 9.00 to Recv in boats to land with Naval Brigade at Port Preble. At 11 landing party returned. At 11.15 flagship made Gen Tel signal 3550, 9411, 4059, 6131, 3550, 9422. At 12 reported coal 127.3 tons and coal consumed .3 tons

J S Hetherington
Ensign

Meridian to 4 P.M.

Fair, fine weather. Gentle breze from S.S.E. At 1.00 the flagship signaled 3094 and at 2.00 signaled Tel. 6115, 9422, 6692, 9318, 3094. Scrubbed copper on port side, and painted hatches on quarter deck.

W Ray Mann Field
Ensign U.S.N.

4 to 8 P.M.

Cloudy & pleasant. Light breze from S.S.E. to S.S.W. At 4.30 flagship made Gen signal 2094.

J S Hetherington
Ensign U.S.N.

8 P.M. to Mid

Overcast and misty, with light fog first part clouds breaking away a little last hours. Light to gentle breze from S.S.W. hauling to S.W.

Geo F Holman
Lieut U.S.N.

Examined and found to be correct.

Le. K. Lewis
Lieut Navigator.

LOG of the UNITED STATES Steamer Essex, 3 Rate,

Portland Me.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N. N.W. x N	N.W. by W.	4			30.01	74	65°	64		O.C. M.	Cum. Str.	0	
2				N. N. W.	W. by S.	4			30.01	72	66°	64		"	"	0	
3				"	W.	3			30.00	72	66°	64		O.C.F.	Cum. mist	0	
4				N.	"	2			29.99	72	65°	64		"	Cum. Str.	0	
5				"	W. by S.	2			29.98	72	65°	64		"	Mist	0	
6				W.	"	2			29.96	70	65°	64		"	"	0	
7				W. N.W. x W.	W. by N. x W.	2			29.96	67	65°	64		"	"	0	
8				"	"	2			29.94	66	65°	64		"	"	0	
9				W. x N.W.	W. N.W.	2			29.91	67	66	65°		O.C.F.	Cum. mist Sky	0	
10				W.	"	1			29.90	68	65°	64		"	mist	0	
11				"	"	1			29.90	69	66	65°		"	Cum. mist Str.	0	
Noon.				"	"	1			29.89	67	65°	64		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 441 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2160 "

Coal consumed during the preceding 24 hours, tons 1360 lbs.

Coal remaining on hand at Noon, 126 " 1630 "

P. M.													
1			W.	W. by S.	3		29.89	67	66	65°	O.C.d.	Cum. mist	0
2			W. N.W. W.	"	4		29.88	68	67	65°	"	"	0
3			W.	"	4		29.88	69	67	65°	"	"	0
4			W. by S. W.	"	4		29.88	69	67	65°	"	"	0
5			S. W. x S.	S. by W.	3		29.88	68	67	66	"	"	0
6			"	"	2		29.89	70	67	65°	O.C.C.	"	2
7			S. W.	"	2		29.89	72	66	65°	"	"	0
8			S. by W.	"	2		29.90	73	66	65°	"	"	0
9			"	S. W. x S.	3		29.89	72	66	65°	"	mist	0
10			"	"	3		29.89	72	66	64	O.C.d.	"	0
11			"	"	3		29.89	72	66	64	"	"	0
Mid.			S. x W.	S. by W.	3		29.89	72	66	64	"	"	0

under the command of Commander A. S. Snow, U. S. Navy,

Thursday July 3rd, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Overcast cloudy misty & rainy. Light to moderate breze from S.S.W. to W.S.W.

J. H. Hetherington
Ensign U.S.N.

4 to 8 A.m.
Cloudy misty rainy. Light breze from S.S.W. to S.W. & S. Balls made for swing signals at 7.30. 1st & 3d Repts; 1st & 2d Repts & 2d Repts & numeral.

F. F. Fridley
Lieut U.S.N.

8 A.m. to Meridian
Overcast with passing showers. Light breze to light airs from S.W. At 9.30 mustered at quarters. Found the companies detailed for the parade in Portland to morrow and drilled them. Naval Cadets T.T. Ruhm and C. Davis reported on board for temporary duty in connection with the parade in obedience to verbal orders from the Commander in Chief of the Squadron. Lieut Curtis and Ensign Hetherington were appointed members of a Board of Survey for the Quarter ending Sept. 30th 1890. to carry out the requirements of U.S. Navy Reg. Circular No 46. The following signals were made 8.20 Flagship Gen. Sig. 09. 9.30, Ases, Nums 1, 12 & 9, Ases Nums 126 Ans 16, and Numeral 0 ans 14, All answered

Jas. F. Wolfenden
Lieut U.S.N.

Meridian to 4 P.M.
Cloudy with occassional showers of drizzling rain. Gentle to moderate breze from S.W. At 1.45 Flag signaled Tel. Sig. 3550.

F. F. Fridley
Lieut U.S.N.

4 to 8 P.M.
Overcast and raining. Gentle to light breze from S.S.W. The following signals were made. Flag to Asst A.C. Be prepared to embark by 6 o'clock. 7.40. Flag Gen. Sig. 3968; 7.57 Flag Gen. Sig. 09, Tel. 9422, 3637, 9318. All answered

Jas. F. Wolfenden
Lieut U.S.N.

8 P.M. to Mid.
Cloudy with occassional showrs, drizzling rain. Gentle breze from S.W. & S.

F. F. Fridley
Lieut U.S.N.

Examined and found to be correct.

G. K. Curtis
Lieut & Navigator.

LOG of the UNITED STATES Steamer East Portland, Me., 3" Rate,

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S. W. × W.	S. S. W.	3			29.88	70	65	64		O. C. r.	Cum. mich	0	
2				W.	"	3			29.88	70	66	65		"	"	0	
3				W. N. W.	"	3			29.88	70	65	64		O. C	"	0	
4				"	"	3			29.88	70	65	64		"	"	0	
5				N. W. × N.	"	3			29.88	67	65	64		O. C. m.	"	0	
6				W. S. W.	S. W.	2			29.88	67	65	64		"	"	0	
7				S. W.	"	2			29.89	67	65	64		"	"	0	
8				S. W. × S.	"	2			29.88	67	65	64		"	"	0	
9				S. S. W.	"	3			29.87	67	65	64		"	"	0	
10				S × W.	"	3			29.88	68	66	64		"	"	0	
11				"	S. S. W.	2			29.89	68	65	64		"	"	0	
Noon.				S × E.	S.	1			29.90	68	67	66		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 25-3- gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2201 "

Coal consumed during the preceding 24 hours, tons 8-50 lbs.

Coal remaining on hand at Noon, 126 " 7-0- "

P. M.													
1			N × E.	S.	1	29.94	68	66	65	O. C	cir. mich		0
2			N. N. E.	S. S. W.	1-3	29.90	68	66	65	O. C. r.	"		0
3			"	"	3-2	29.88	66	66	65	"	"		0
4			N.	S. E. × S.	2	29.87	68	67	66	O. C	cir. cum		0
5			N. W.	S.	1	29.87	67	66	65	O. C. d.	"		0
6			N.	S. S. W.	1	29.86	68	67	65	L. C	"		2
7			"	"	1	29.86	68	67	65	"	"		4
8			S. S. W.	"	1	29.86	70	67	65	O. C. m.	cum. mich		0
9			"	"	2	29.87	72	65	64	"	"		0
10			S.	"	1	29.87	73	64	63	"	"		0
11			S. S. E.	"	1	29.88	74	63	62	"	"		0
Mid.			"	"	1	29.88	74	63	62	O. C. r.	"		0

under the command of Commander A. S. Snow, U. S. Navy,

Friday, July 4th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Overcast raining first part of watch. Gentle breeze from S. S. W.

Geo. F. Hoffman
Lieut U.S.N.

4 to 8 a.m.
Overcast. Light to gentle breeze from S.S.W. and S. at 8. Flagship made Prep. to Dressed ship at sunrise with the Flagship, rainbow fashion

J. J. Newlon
Lieut U.S.N.

8 a.m. to Meridian.
Overcast & cloudy gentle breeze from S.W., light breeze from S.S.W. and light airs from S. Sent the companies as shown at 9 o'clock in obedience to signal from Flagship, to take part in the parade

W. Kay Mason Field.
Ensign U.S.N.

Meridian to 4 p.m.
Overcast drizzling at times. Barometer falling. Light to gentle breeze from S. The two companies sent from this ship to take part in the parade, returned at 2 p.m. At 3.30 the Flagship fired a salute of 17 guns. The Cond'g Officer left the ship on 5 days leave of absence.

J. J. Newlon
Lieut U.S.N.

4 to 8 p.m.
Generally cloudy with light drizzle first hour, and foggy during last half hour. Light airs from S.S.W. Flagship fired a salute of 17 guns

Geo. F. Hoffman
Lieut U.S.N.

8 p.m. to Mid
Overcast, raining last hour. Barometer steady Light breeze and light airs from S.S.W.

J. J. Newlon
Lieut U.S.N.

Examined and found to be correct.

W. K. Lewis
Lieut U.S.N. Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

Portland Me

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				E. N.	S. S. W.	1			29.88	73	65	63		b.c. r. f.	nimb	0	
2				N. N. W.	Calm	0			29.88	73	64	63		"	"	0	
3				N	S. E.	1			29.87	72	65	64		o. r. f.	"	0	
4				"	W. x S.	1			29.87	71	65	65		o. c. f.	"	0	
5				"	E.	1			29.87	70	66	65		"	"	0	
6				"	Calm	0			29.88	69	66	65		"	cu. nimb	0	
7				"	"	0			29.89	69	66	66		"	"	0	
8				"	"	0			29.90	69	67	66		"	"	0	
9				S.	S.	1			29.92	70	68	67		"	"	0	
10				S. S. W.	E.	1			29.93	70	69	68		h.c. f.	cir. cum.	5	
11				S.	S. E.	1			29.93	70	69	68		h.c. r.	cu. nimb	0	
Noon.				"	"	1			29.93	71	68	69		o.c. r.	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 372 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1829 "

Coal consumed during the preceding 24 hours, tons 2160 lbs.

Coal remaining on hand at Noon, 125 " 830 "

P. M.									
1	S. E. S.	Calm	0	29.94	72	69	68	o. c. r.	cu. nimb	0
2	E. x S.	S.	2	29.94	72	70	68	h.c.	cir. cum.	3
3	N. N. E.	S. E.	2	29.95	72	70	68	"	"	6
4	N.	S. S. W.	2	29.95	72	71	69	"	"	6
5	N. x W.	N. E.	2	29.96	73	71	69	"	"	6
6	N.	"	1	29.97	73	72	70	"	cum. str.	8
7	"	"	1	29.98	70	71	69	"	"	8
8	N. W. x N.	N.	3	29.99	70	69	65	"	cir. cum.	9
9	N. W.	"	3	30.01	73	69	64	"	cir. str.	8
10	W.	"	3	30.03	73	68	64	"	"	6
11	S. S. W.	N. N. W.	2	30.05	73	68	63	"	"	8
Mid.	S.	"	2	30.05	72	67	63	h.	"	10

under the command of Commander A. S. Snow, U. S. Navy,

Saturday July 5th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 am.
Overcast + raining, misty first part, thick fog last hour. Light airs from S.S.W. shifting to S.S.E. then to S.W.

G.H. Fletcher
Lieut U.S.N.

4 to 8 Am.
Overcast, cloudy + foggy. Calm + light airs from S. Executed morning orders At 7.30 made the following signals 1", 2" + 3" Repts. 1' + 2' Repts. 2" Repts + numeral, Asst dist pennant + guard flag At 8 hoisted guard flag, Liberty party returned

J. H. Hetherington
Ensign U.S.N.

8 Am. to Meridian
Cloudy or overcast. Barometer steady. Light breze from S and S.E. Vessel sail at 10.45: At 12 commenced raining heavy showers, furled sail. Board of Survey on Steam capstan mtl. Hayship made Tel. 4544, 6188, 4079, 2335, 2535, 6398

J. J. Newton
Lieut U.S.N.

Meridian to 4 Pm.
Overcast, cloudy + raining during first hours then clearing. Calm and light breze from S.E. to S.S.W. Sent Liberty party ashore

J. H. Hetherington
Ensign U.S.N.

4 to 8 Pm.
Clear + pleasant. Barometer steady. Light breze and light airs from N. and N.E.

J. J. Newton
Lieut U.S.N.

8 Pm to Mid
Clear + pleasant, moonlight last hour. Light to gentle breze from N. to N.N.W. Barometer rising.

J. H. Hetherington
Ensign U.S.N.

Examined and found to be correct.

W. K. Lewis
Lieut U.S.N. Navigator.

LOG of the UNITED STATES Steamer Essex, 3 Rate,

Portland, Me.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S.E. × S.	N.W.	2			30.06	66	66	62		Lc	cum	10	
2				N.N.E.	"	1			30.06	65	65	62		"	"	10	
3				N × E.	"	1			30.07	65	64	61		"	"	10	
4				N.N.E.	N.N.W.	2			30.08	64	63	61		"	"	10	
5				N.	"	2			30.12	65	63	60		"	Rain	10	
6				"	"	1			30.12	64	63	61		"	"	10	
7				"	"	1			30.13	65	63	61		"	"	10	
8				"	"	1			30.14	67	66	62		"	"	10	
9				N × W.	"	1			30.13	68	69	66		"	"	10	
10				S.S.W.	"	1			30.13	68	68	66		"	"	10	
11				"	S.E.	1			30.13	69	70	66		"	"	10	
Noon.				S × E.	"	2			30.13	69	70	64		"	"	10	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 263 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1566 "

Coal consumed during the preceding 24 hours, tons 960 lbs.

Coal remaining on hand at Noon, 124 " 2110 "

P. M.											
1	S.S.E.	S.S.E.	2	30.13	70	70	65	Lc	cirrus	9	
2	S × E.	"	2	30.13	71	70	65	"	"	9	
3	S	S.W.	3	30.13	71	70	65	"	"	8	
4	S.S.W.	"	3	30.13	71	70	64	"	"	8	
5	N.W.	"	3	30.13	71	70	64	"	"	8	
6	N.N.W.	"	4	30.12	69	68	63	"	cum etc	6	
7	N.W.	"	3	30.11	68	67	62	"	"	6	
8	W × N.	W. S.W.	2	30.10	67	67	64	"	"	4	
9	W. S.W.	calm	0	30.12	70	68	64	"	"	7	
10	S.S.W.	"	0	30.13	70	69	65	"	"	9	
11	S.W. × S.	"	0	30.13	70	68	64	"	"	9	
Mid.	S.S.W.	S.E.	1	30.12	69	66	64	"	"	9	

under the command of Commander A. S. Snow, U. S. Navy,

Sunday July 6th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Clear & pleasant. Barometer steady. Light breeze & light airs from N. W.

J. T. Newton
Lieut U.S.N.

4 to 8 a.m.
Clear and pleasant. Light breeze to light airs from N. N. W. The following signals were made:- 7.30 Time signal; 7.33 1, 2 & 3 Repts; 2 & 1 Repts; 2 & 3 Repts; Annulling pennant 2 & 1 Repts; 2 & 1 Repts & ans. pennant. All answered

Geo. F. Hoffman
Lieut U.S.N.

8 a.m. to Meridian.
Clear and pleasant. Light airs and light breeze from N. N. W. and S. E. At 9.30 inspected crew at quarters. At 10 read Articles of War and had General Muster. The following absent without leave M. J. Obier (Drummer) J. Clinton (2 C.S.) J. Sliney (Sea) M. McCarthy (C.H.) F. F. Sullivan (2 C. appr) J. F. Enright (C.H.) J. J. Brenahan (Ldg) J. M. Cooper (Ldg) Ed McKinney (Pte) A. J. O'Donnell (Ldg) J. Dwyer (C.H.) T. B. Cleary (O.S.). T. B. Young & P. Burke returned to the ship 1½ hrs over time. The flagship made the following signals P & O Tel 8 & 12, 9 & 11, At 9.15 1st, 2nd & 3rd Repts. At 9.30 Recd made Numl 2. at noon Numl 12 & ans. 9, and Numl ans &

J. H. Hetherington
Ensign U.S.N.

Meridian to 4 p.m.
Clear and pleasant. Light to gentle breeze hauling from S. S. E. to S. W. Sent a liberty party ashore

Geo. F. Hoffman
Lieut U.S.N.

4 to 8 p.m.
Partly clear & cloudy & pleasant. Light to moderate breeze from S. W. to W. S. W. F. F. Sullivan (appr) M. J. Obier (drummer) returned 10 hrs over time

J. H. Hetherington
Ensign U.S.N.

8 p.m. to Mid
Clear, fine weather. Calms and light airs from S. E. Flood tide

W. Roy Mason Field
Ensign U.S.N.

Examined and found to be correct.

L. K. Lewis
Lieut U.S.N. Navigator.

LOG of the UNITED STATES Steamer Kent , 3 Rate,
Portland Me.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S × E.	Calm	0			30.12	70	64	62		l.c.w.	cir cir	4	
2				S E.	N N W-	1			30.13	68	66-	62		"	"	6-	
3				N E.	"	1			30.13	68	64	61		"	"	6-	
4				N × E.	"	1			30.13	69	64	61		"	cum cir	2	
5				N.	"	1			30.13	68	64	61		"	"	1	
6				"	N W-	1			30.13	67	64	62		l.c	"	2	
7				"	"	1			30.13	66	64	63		"	"	1	
8				"	"	1			30.15-	67	66-	63		"	"	1	
9				N N W-	N E.	1			30.15-	67	64	66		"	"	2	
10				W-	"	1			30.16	69	69	66		"	cir cum	3	
11				S S W-	"	1			30.16	70	70	67		"	"	3	
Noon.				"	S S E.	1			30.16	70	70	66-		"	"	3	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 299 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1267 "

Coal consumed during the preceding 24 hours, tons 1200 lbs.

Coal remaining on hand at Noon, 124 " 910 "

P. M.												
1	S S W-	S S E.	1	30.10-	71	69	65-	l.c	cir cum	2		
2	"	"	1	30.14	70	68	65-	"	"	3		
3	"	"	1	30.13	70	68	65-	"	"	5		
4	"	"	1	30.11	70	68	65-	"	"	5		
5	N N E.	S S.	2	30.11	71	68	65-	"	cir cir	6		
6	N.	"	2	30.11	69	69	66	"	"	4		
7	"	"	1	30.11	69	69	66	"	"	2		
8	"	"	1	30.11	72	68	66	"	"	1		
9	"	"	1	30.10	73	70	67	"	cir cum	4		
10	N E. × N.	E S E.	1	30.08	72	69	67	"	"	8		
11	S S W-	Calm	0	30.08	72	69	67	"	"	8		
Mid.	"	"	0	30.06	73	69	67	O.C.T.	mist	0		

under the command of Commander A. S. Snow, U. S. Navy,

Monday July 7th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Cloudy & pleasant. Bright moonlight. Calm & light airs from N. N. W.

J. H. Hetherington
Ensign U.S.N.

4 to 8 a.m.
Calm & light airs from N. N. W. to N. W. Generally cloudy. At 7.10 Balls made proj 1709 Pul. 94, 6692 & at 7.30 uniform signals

[illegible]
Lieut U.S.N.

8 a.m. to Meridian
Cloudy but pleasant. Light airs hauling from N. E. to S. S. E. At 9.30 mustered at quarters. absentees J. Shipley (on J. Clinton) 2 c.F.), A. J. O'Donnell (Cdt.) J. Enright (C.H.), J. J. Brenahan (Cdt.), J. Dwyer (C.H.), F. D. Cleary (OS), H. Linchy (OS), A. Zilmanden (OS) C. Sunderson (OS) A. Hadfield (Cdt.) E. McKinney (Cdt.) O. Newman (2 c F), M. McCarthy (C.H.) Drilled the Divisions according to routine

J. [illegible]

Jas. H. Holman
Lieut U.S.N.

Meridian to 4 p.m.
Warm & pleasant. Light airs from S. S. E. Following signals were made during the watch. Balls to Asst. 2919; Balls to Fleet 11, Pul. 5468, 3499. Asst to Balls. 4363. Balls to Fleet 4826, 2964, 6226, Pul 3550, 6957

[illegible]
Lieut U.S.N.

4 to 8 p.m.
Cloudy but pleasant. Light breeze & light airs from S. E. Returned on board overtime from liberty M. McCarthy (C.H.) J. Shipley (Sea), F. D. Cleary (OS) and E. McKinney (Cadet) Cadet Midshipmen M. M. Taylor, C. S. Radford, C. Davis & J. F. Rahm reported on board for passage to New York. M. McCarthy (C.H.) was put under arrest charge until sober.

Jas. H. Holman
Lieut U.S.N.

8 p.m. to Mid
Pleasant weather until last half hour. Light S. E. airs & calm.

[illegible]
Lieut U.S.N.

Examined and found to be correct.

[illegible]
Lieut U.S.N. Navigator.

LOG of the UNITED STATES Steamer Essex , 3 Rate,
Portland Me.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				S × W.	Calm	0			30.06	71	68	66		o. c. fo.	nimb	0	
2				"	"	0			30.03	70	67	66		"	"	0	
3				S. S.E. × S.	"	0			30.03	70	67	66		"	"	0	
4				S. S.E.	S. W.	1			30.02	69	66	64		o. c	nimb chi	0	
5				N. N. W.	"	1			30.00	68	66	66		h. c	circum chi	3	
6				N.	W. S. W.	1			30.00	68	67	66		"	circum	3	
7				N. W.	W.	2			29.99	67	67	66		"	"	4	
8				N. W. × N.	S. W.	2			29.98	69	68	66		"	"	4	
9				N. N. W.	"	2			29.98	70	70	69		"	cir	4	
10				S. S. W.	"	2			29.97	74	72	70		"	"	5	
11				S. W.	"	2			29.97	76	74	72		"	"	5	
Noon.				"	"	2			29.91	79	79	70		"	"	5	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: { Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. { Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 3 10 gallons.

Water purchased during the preceding 24 hours, 20 00 "

Water remaining on hand fit for use at Noon, 3200 "

Coal consumed during the preceding 24 hours, 2 tons — lbs.

Coal remaining on hand at Noon, 122 " 910 "

P. M.																		
1				S. S. W.	S × W.	2	29	88	79	77	73	h. c	cir	5				
2				"	"	2	29	84	79	79	74	"	"	3				
3				S × S.	S. W. × S.	4	29	80	73	72	69	"	"	3				
4	6	4	3½	S ¼ W.	"	4	29	76	74	70	68	64	"	"	3			
5	6	3	10.2	S ½ W.	"	5	29	74	73	71	69	63	h. c. g.	"	cum	m		
6	6	00	16.1	"	"	5	29	71	74	71	69	65	"	"	7	"		
7	6	4	22.	"	"	5	29	74	75	71	69	63	"	"	6	"		
8	6	4	27.	"	"	5	29	77	77	76	68	65	"	"	6	"		
9	6	4	34.	"	S. W.	5	29	77	74	70	69	65	"	"	5	"		
10	6	0	39.	"	"	5	29	77	74	76	69	66	h. c. l	"	5	"		
11	6	4	45	"	"	5	29	70	74	69	68	66	"	"	8	"		
Mid.	6	0	50.2	"	"	5	29	70	74	69	68	65	"	"	8	"		

under the command of Commander A. S. Snow, U. S. Navy,

Tuesday July 8th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 a.m.

Overcast, light passing showers until 3. Calm until 3 when light airs set in from S.W.

Jas. T. Workman
Lieut U.S.N.

4 to 8 a.m.

Cloudy & warm. Barometer steady. Light airs and light breze from W'd. M. McCarthy was released from sick list, having recovered from the effects of injuries. C Gundersen (O.S.) & A Gedney (O.S.) returned from liberty - 24 3/4 hrs over time.

J. T. Newton
Lieut U.S.N.

8 a.m. to Meridian

Fine pleasant weather misty along horizon. Light breze from S.W. J. Clinton (2d cl) J. D. Enright (C.H.) J. J. Brenahan fire Dwyer (C.H.) W. Lynchy (C.H.) were brought on board by Portland police 49 hrs over time, and a reward of $5 each paid for their delivery. At 9.20 made signal Int 4560. Called away fire in 3 holes. Mustered at quarters secured as per routine and cleared lashing for sea. A. J. O'Donnell (1st) absent without leave. Put on chafing gear and made usual preparations for sea. Rec'd 2300 gallons water from waterboat Fannie G.

W. F. Fullam
Lieut U.S.N.

Meridian to 4 p.m.

Cloudy. misty. barometer falling 29.91 to 29.76. Light to moderate breze from S. & W. and S.W. by S. Received on board as passengers to N.Y. Mr Bancroft Edwards. At 1.05 got underway. Stood out of harbor. At 3.25 took departure from Hay Stack Rock bearing (per) N 1/4 E distant 2 1/2 miles. Set course S 1/4 W. at 4 changed course to S 1/2 W. Sounding 3.0. Draught forward 13.3, amid. 14.10, aft. 16.5. The Cond'g Officer returned from leave of absence.

J. T. Newton
Lieut U.S.N.

4 to 6 p.m.

Cloudy hazy, clearing during last hour. Stiff breze from S.W. by S. Moderate sea, barometer falling, Course S 1/2 W. Av steam 5.5; av revs 40.1.

J. H. Hetherington
Ensign U.S.N.

6 to 8 p.m.

Hazy, stiff breze from S.W. by S. Moderate sea. Steering a course S 1/2 W. At 7.10 mustered at quarters at 7.30 set jib, fore & mast staysail, mainsail and spanker. Av steam 5.3; av revs 44.

Jas. T. Workman
Lieut U.S.N.

8 p.m. to Mid

Bright pleasant weather. Bright starlight. Moon rose about 11.40. Course S 1/2 W. Steam 5.3 lbs Av revs 40. Patent log 53.2 Stiff breze from S.W. Lightening to N'd

W. F. Fullam
Lieut U.S.N.

Examined and found to be correct.

W. K. Lewis
Lieut U.S.N. Navigator.

LOG of the UNITED STATES Steamer Osceola, 3 Rate,

At sea making passage from Portland Me. to New York N.Y.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	6	0	57.1	S. ½ W.	S.W.×W.	4			29.7	73	70	68.5	65	h.c.	cir	8	m
2	8	0	63.6	"	W.S.W.	5			29.7	73	69.5	68	66	"	"	8	"
3	8	0	70.7	"	"	5			29.7	73	69	68	65	"	"	8	"
4	7	2	77.75	"	"	4			29.71	74	69	68	65	"	"	7	"
5	6	9	84.5	"	"	3			29.72	70	68	67	66	"	"	8	"
6	5	0	88.20 / 90.15	S.×W.½W.	"	3			29.74	75	68	67	66	"	"	7	"
7	7	0	97.20	"	W.	3			29.75	76	68	67	65	"	"	7	"
8	5	5	102.6	S.W.	"	3			29.76	71	68	67	66	"	"	7	"
9	6	5	110.2	S.W.×W.	"	3			29.76	72	70	66	63	h.c.g.	"	6	"
10	7	6	117.5	Standing for Cape Cod	"	3			29.78	72	72	66	63	"	"	4	"
11	6 / 2	0 / 0	124.	S.½W.	"	3			29.79	73	72	68	65	"	"	5	"
Noon.	8	4	132.	"	"	3			29.81	69	67	67	64	"	"	0	"

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 298 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2902 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.																	
1	8	2	138.6	Standing for Nantucket	N.×W.	3			29.81	70	69	67	60	h.c.	cir	3	8
2	8	4	145.7	Sd between Great ground	W.	3			29.82	73	70	69	64	"	"	5	"
3	8	4	153.3	Shoal and great Point Rip	W.N.W.	3			29.82	74	73	69	68	"	"	8	"
4	8	0	160.09	Shoal	"	3			29.83	75	75	69	69	"	"	8	"
5	7	6	167.8	N.W.×W.½W.	N.W.×N.	3			29.83	75	76	71	76	"	"	7	"
6	8	0	174.9	N.W.×W.½W.	N.N.W.	3			29.85	75	75	66	69	"	"	7	"
7	7	4	182.20	W.½S.	"	3			29.88	75	73	69	68	g.c.	"	7	"
8	6	9	189.	"	"	3			29.91	74	72	69	68	"	"	7	"
9	8	5	196.1	W.½S.	N.W.×N.	4			29.95	74	69	63	67	f.l	"	7	"
10	4 / 4	5	206.	"	"	3			30.00	75	67	61	68	"	"	6	"
11	8	7	213.7	"	"	4			30.02	74	66	59	68	"	"	6	"
Mid.	8	6	219.7	"	"	3			30.04	73	64	59	67	"	"	6	"

under the command of Commander A. S. Snow, U. S. Navy,

Wednesday July 9th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ... 12 Am.

F & A.M. to Meridian -

The following punishments were adjudged by the Comdg Officer J. Clinton (2 C 5th) 49 hrs overtime; J. Sliney (Ord) 36 hrs overtime; M. McCarthy (C.H) 27 hrs overtime J. T. Enright (C.H) 49 hrs overtime; J.J. Brosnahan (Ldy) 49 hrs overtime; J.M. Cooper (Ldy) 24 hrs overtime; C. McKinney (Pty) 28 hrs overtime; Jos Dwyer (C.H) 49 hrs overtime; P.B. Cleary (OS) 36 hrs overtime; C. Gunderson (OS) 24½ hrs overtime; H. Linchey (C.H) 26 hrs overtime; all reduced to 4th Class. M. Driscoll (C.H) returning from liberty drunk; R. Post (app) inattention while on messenger watch, and disobedience of Orders; M.J. Iber (Drum) 10 hrs overtime; T.F. Sullivan (app) 10 hrs overtime, all reduced to 3rd Class - P. Newman (2 C 5th) 6 hrs overtime, reduced to 5th Class - T.F. Sullivan (app); E.M. Carver (S. Boy) not attending side, when sideboys were piped; and Seelmeyer (O.S) overslaying leave, when refused permission to do so 12 hrs E.D. - J.A. Callan (app) leaving his station while on signal watch 18 hrs E.D. - H. Behn (P.M) unwilling to get up when called by Corpl of the Guard and not relieving post until 2.10 Am, reduced to 2d Class. - A. Wade (Ldy) attempting to go on shore without proper permission, reduced to 4th Class

Barometer steady, Moderate and hazy at 2 am

J. T. Newlove
Lieut U.S.N.

Lead in 10 fms at 5.50 Changed course to W 25. and took in fore and aft sail at 7.50

J. H. Hetherington
Ensign U.S.N.

at 11 was changed to H. Raw in for the dock Ship Steering S 11 x H. Set the course routine at 11 set fore and aft sail in 3 3 lbs Av Revs 43.

Geo. F. Wadleigh
Lieut U.S.N.

x Passing the Nantucket Sound Lightship - made at 12 28 S H x H 1/2 H. Pat Log 134.5 5; Pat 2.30 S H-N H 1/2 H. P.L. 149.5 distant about 4 miles Pat Log 160.1 bout 3 points forward starboard

F. H. Newell
Lieut U.S.N.

Clear and pleasant. Gentle breze from N.H. x N. and N.N.H. Standing to the Through Vineyard Sound. at 6. East Chop Lt. Ho. bore about abeam.

J. T. Newlove
Lieut U.S.N.

6 to 8 PM.

Clear and pleasant. Gentle breze from N.N.H. Barometer rising. at 6.40 Changed course to H x S and set fore + aft sail except flying jib. Heading out Vineyard Sd at 7.20 Tarpaulin Cove Lt abeam. at 7.35 Bellbuoy abeam. at 7.55 Gayhead abeam. Cross the sea. At 8 Stm 52 lbs rev. 46.

J. H. Hetherington
Ensign U.S.N.

8 PM. to Mid

Clear + pleasant. Steering a course H 1/4 S. until 9 Hrs when Vineyard Sd Ship was close abeam and course was changed to H. S. H. 7/8 H. at 12 Block Isl. S.C. Lt. bore on the starboard beam distant 6 1/2 miles, changed course to H 7/8 S. Av. Steam 45 Av Revs 48.

Geo. F. Wadleigh
Lieut U.S.N.

Examined and found to be correct.

W. K. Lewis
Lieut & Navigator.

under the command of Commander A. S. Snow, U. S. Navy,

Wednesday July 9th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant, bright moonlight after 1 A.M., Moderate to fresh breze from S.W. by W. and W.S.W. Barometer steady, Moderate sea. At 2 A.M. all fires out at 4 took it in

J. T. Newlove
Lieut U.S.N.

4 to 8 A.M.

Clear & pleasant. Gentle breze from W.S.W. and W. Barometer rising, Moderate sea. At 5.45 got cast of lead in 107 fms. At 5.50 changed course to W. by N. 1/2 N. f.c. by C. 89.25. At 7 got cast of lead in 102 fms, sounded. At 7.15 changed course to S.W. pat log 91.25. and took in fore and aft sail At 7.50 land land on starboard bow. At steam 57, At Revs 42.1

J. H. Hetherington
Ensign U.S.N.

8 A.M. to Meridian

Early foggy and horizon. Gentle breze from W. Steering S.W. until 9.47 when course was changed to W. Raw in fore and until 10.45, when we took a departure, Chatham Lt bearing (per) N.W. 3/4 W. and Pollock Rip Lt Ship S.W. by W. Set his course W. pat log reading 122 1/4. At 9.30 mustered at quarters and drilled according to routine. At 11 set fore and aft sail 2 Pollock Rip Lt Ship bore N.W. by W. 1/2 W. A J. O'Donnell (Ord) absent without leave. At Steam 53 lbs. At Revs 43.5

Geo. F. Worman
Lieut U.S.N.

Meridian to 4 P.M.

Fine pleasant weather. Gentle breze from W. by S. to W.N.W. Standing to his Hd through Nantucket Sound, Shoals at Round Shoal and Great Point Shoal. The following changes of course were made At 12.28 S.W. by W. 1/2 W. pat log 136.5 1.15 to S.W. by W., 140.3; at 1.42 W. by N., 143.2; at 2.04 N.W. by N., 146.0; at 2.15 N.W. by N. 147.5; and at 2.30 to W.N.W. 1/4 W. f.c. 149.5. Ship in fore and aft sail at 12.15. At 4 Cross Rip Lightship bore W.N.W. 1/4 W. distant about 4 miles Pat Log 160.1 Steam 54 lbs. Revs 45.1 At 2.50 Mid Channel Whistling Buoy sunk, Last sun about 3 points forward starboard run about one half mile distant

Geo. F. Worman
Lieut U.S.N.

4 to 6 P.M.

Clear and pleasant. Gentle breze from N.W. by N. and N.N.W. Standing to his through Vineyard Sound. At 6. Cape Cod Lt Ho. bore about abeam.

J. T. Newlove
Lieut U.S.N.

6 to 8 P.M.

Clear and pleasant. Gentle breze from N.N.W. Barometer rising. At 6.40 changed course to W. by S. and set fore and aft sail kept flying jib. Standing out Vineyard Sd At 7.20 Tarpaulin Cove Lt abeam. At 7.35 Brant Point abeam. At 7.55 Gay Head abeam. Lines to sea. At Steam 52 lbs revs 45.

J. H. Hetherington
Ensign U.S.N.

8 P.M. to Mid

Clear & pleasant. Steering a course W. 1/4 S. until 9.45 when Vineyard Lt Ship was close abeam and course was changed to W. by S. 1/2 W. At 12 Block Isd L. H. C. Lt. bore on the starboard beam distant 6 1/2 miles, changed course to W. 1/2 S. At Steam 45 At Revs 40.

Geo. F. Worman
Lieut U.S.N.

Examined and found to be correct.

W. K. Lewis
Lieut & Navigator.

LOG of the UNITED STATES Steamer Essex, 3 Rate,

At sea, making passage from Portland Me to New York.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	9	2	228.6	N-7/8 E.	N. N. W-	3			30.05	72	62	57	62	f.	Nimbus	10	8
2	9	2	236.3	"	"	3			30.1f	72	62	57	62	"	"	10	"
3	3/7	0/0	244.2	N-E. N-3/4 N-	"	3			30.0f	70	61	55-	62	"	"	10	"
4	9	4	252.6-	"	"	3			30.0f	69	60	56	62	f.c	cir	8	"
5	9	6	261.20-	"	"	3			30.0f	67	59	55-	63	"	"	8	"
6	10	4	270.	"	N. N. E.	4			30.10	67	60	55-	61	"	"	8	"
7	10	5-/7	278.35	N-3/4 E.	"	4			30.10	65-	60	58-	61	"	"	8	"
8	7/7	20-/30-	288.50	N-3/4 N.	"	4			30.10	67	60	55-	61	"	"	9	"
9					"	4			30.12	67	62	57	61	"	"	9	"
10					"	4			30.15-	68	64	57	62	"	"	9	"
11					"	3			30.15-	68	67	60	62	"	"	8	"
Noon.	8	1/2	107.	N-x N.	"	4			30.14	68	65-	57	68	"	cirrus	6	"

Course and distance made good since preceding noon by observations, knots, tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.:
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.:
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 310 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2552 "

Coal consumed during the preceding 24 hours, 10 tons lbs.

Coal remaining on hand at Noon, 101 " 2030 "

P. M.															
1	f	7	316	N-x N.	N. x W-	4	30.13	69	66	57	63	f.c	cirrus	7	S.
2	7	7	325.5-	"	"	3	30.14	68	67	57	64	"	"	7	"
3	7	4	332.7	Standing in for Sydney channel	"	3	30.14	69	68	60	64	"	"	5-	"
4	7	1		Standing for N.Y.	"	3	30.15-	70	70	61		"	"	4	"
5	6	8		"	"	3	30.17	72	72	62		"	"	4	"
6				"	"	3	30.18	72	70	62		"	"	8	"
7				N. E. x N.	N. x W-	2	30.18	74	70	63		"	"	7	
8	Ebb tide			"	"	1	30.19	75-	70	64		"	"	5-	
9				"	"	1	30.22	77	70	65-		"	"	5-	
10				"	"	2	30.22	77	78	65-		"	"	9	
11				"	N. N. W-	2	30.22	76	68	63		f	Nimbus	10	
Mid.				"	"	3	30.23	76	68	68		"	"	10	

under the command of Commander A. S. Snow, U. S. Navy,

Thursday, July 10th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Pleasant weather bright moon & starlight. Gentle breeze from N. N. W. Steamer as a/ Montauk Lt. bore N. W. 1/2 W. dist 22 1/2 miles, at 1.20 it bore N. W. 1/2 W. dist 23 2/3 miles; at 1.54 it bore N. by W. 1/2 W. dist 23 1/2 miles. at 1.45 Block Isl. Lt. bore E. N. E. 1/2 E. and Montauk Lt. N. 1/2 E. got a sounding in 11 fms. At 2.12 changed course to N. 8 W. 3/4 W. p.c. pat log 338. At 3.20 made Shinnecock Lt. N. W. 1/2 N. Montauk E. N. E. At 3.45 made sail to 3 jib sails. At 4 pat log 352.5. Steam 48 lbs. Rev 44 1/2

F. W. Coffin
Lieut U.S.N.

4 to 8 a.m.
Clear and pleasant. Gentle to moderate breeze from N. N. E. Barometer steady. At 6.55 changed course to N. 3/4 E. dist 77 3/4. At 7.00 changed course to N. 3/4 W. p. Sounding 8 2/4. At 8 Pinnacle Lt. bore on starboard bow

J. Newton
Lieut U.S.N.

8 a.m. to Meridian
Clear & pleasant. Gentle to moderate breeze from N. At 8.10 shortened & furled sail, & found engines and commenced taking Azimuths for deviation of Standard Compass. At 11.20 went ahead at full speed on course N. by W. and made sail to 4 sails. At 9.20 inspected crew at quarters and mustered at stations for drill & away boats for distant service. At noon Pinnacle Lt. bore N. 8 1/2 E. p.c. A. J. O'Donnell (Ldg) absent without leave.

J. H. Hetherington
Ensign U.S.N.

Meridian to 4 p.m.
Clear and pleasant. Moderate to gentle breeze from N. by W. Standing along South side of Long Island through Gedney and Ship channels, and up the Narrows for anchorage in New York Harbor. At 2 took in and furled the square sails. At 3 took in and stowed the fore and aft sails. Av. steam 52 lbs. Av. Revs. 47.2

Geo. F. Coleman
Lieut U.S.N.

4 to 6 p.m.
Clear & pleasant weather. Gentle breeze from N. by W. Standing up main ship channel to anchorage in North River

F. W. Coffin
Lieut U.S.N.

6 to 8 p.m.
Clear & pleasant. Gentle breeze from N. by W. Barometer rising slowly. Anchored at 6.07 7 fms cable, 30 fms chain Bearings from anchorage. South Spire Catholic Cathedral S. E. 1/2 S. Chimney of Elevator at 42nd St. E. 3/4 S. Hailed ships Racing Lion H. steam (Sch H.M.) under sinking charge. Draught found 13.5; Armed 14.10; Aft 16.3

J. T. Newton
Lieut U.S.N.

8 p.m. to Mid
Clear & pleasant. Light airs to gentle breeze from N. N. W. & N. W. Ebb tide

J. H. Hetherington
Ensign U.S.N.

Examined and found to be correct.

M. K. Lewis
Lieut & Navigator.

LOG of the UNITED STATES Steamer Essex, 3 Rate,
New York.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N. N. E.	N. N.	3			30.24	74	66	62		b	none	10	
2	Lying in				"	3			30.24	73	65	60		"	"	10	
3				S. W. by W.	"	3			30.26	72	65	60		"	"	10	
4				"	"	3			30.20	71	65	60		"	"	10	
5				S. W.	"	3			30.20	68	64	60		bc	cir	9	
6				"	N. N. W.	3			30.20	68	64	60		"	"	9	
7				N. N. E.	"	2			30.27	68	63	60		"	"	9	
8				N. E. by N.	"	3			30.27	69	64	61		"	"	9	
9				"	N. N. E.	2			30.30	69	67	62		b	none	10	
10				N. E.	N. E.	2			30.29	71	70	63		b.c	cir	9	
11				"	"	2			30.20	71	72	65		"	cum	6	
Noon.				"	"	2			30.29	72	72	65		"	"	6	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″
Latitude by observations of ⊙ ° ′ ″
Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″
Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″
Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 308 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2207 "

Coal consumed during the preceding 24 hours, 2 tons 760 lbs.

Coal remaining on hand at Noon, 99 " 270 "

P. M.												
1		N. E. x E.	N. E.	2	30.29	73	68	66	b.c	cum	5	
2	Hove	S. W.	S. E.	2	30.28	74	74	67	"	"	5	
3		S. E. x S.	"	2	30.27	73	74	67	"	"	6	
4		S. W. x S. ½ S.	"	2	30.26	73	74	67	"	"	6	
5			"	2	30.26	74	73	65	"	"	6	
6			S. S. E.	2	30.27	72	71	65	"	"	6	
7			S. E.	2	30.27	74	70	64	"	"	6	
8			"	2	30.28	76	70	64	"	"	6	
9			E.	1	30.28	76	71	66	"	cum	6	
10			S.	1	30.28	77	71	65	b	none	10	
11			"	1	30.29	70	70	64	"	"	10	
Mid.			"	1	30.29	70	70	64	"	"	10	

under the command of Commander A. S. Snow, , U. S. Navy,
Friday July 11th , 1890 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Bright and pleasant Moonlight Barometer steady. Finished swinging to flood at 2.45

J. T. Newton
Lieut U.S.N.

4 to 8 a.m.
Clear and pleasant Light to gentle breze from N.N.W. to N.N.W. Commenced swinging to ebb at 6.10 finished at 6.35 Manned boats. Lowered the steam launch.

Geo. F. W. Holman
Lieut U.S.N.

8 a.m. to Mindnight
Clear & pleasant Light breze from N.N.E. & N.E. At 9.20 went to General Quarters, divisions ready as follows. Nav. Gen. Engineer. Powder 6 on 1st Div. 1st 30 sec, 2d Div 6 m. 20 sec, 3d Div 5 m, Marines 5 m. 15 sec. At 10.10 secured. Tested magazine & torpedo locker flood cocks and found them in working order, also tested life buoy and found them in working order. Comdg Officer went to Navy Yard to report to Commandant. a J. D. Donnell U.S.N. absent without leave.

J. H. Worthington
Ensign U.S.N.

Mindnight to 4 a.m.
Clear and pleasant Light breze from N.E. & variable to S.E. Commenced to swing to flood at 1.30 and finished at 2.15 Started fires at 1 o'clock and made preparations for getting underway. Rove off new wheel ropes in place of the old set, the outer wires of which were found to be parted in a number of places. Sent down the light yards, housed topgallant masts and unbent flying jib and fore topmast staysail. Hoisted the steam launch. Notified Hales & Ship Hicks and Greenhalgh (C.M.) that they are ordered to appear before a General Court Martial to convene at the Navy Yard, New York on the 11th inst and delivered to each copies of the charges and specifications under which they are to be tried. At 2.30 called all hands up anchor. Broke ground at 3.45, and stood down the North River bound for the Navy Yard. At 4 were off 23d St. North River. Ships draft fore 15.5, amidships 14.10 aft 16.3.

Geo. F. W. Holman
Lieut U.S.N.

4 to 8 P.M.
Clear & pleasant Light breze from S.E. to S.S.E. Steamed down North River and up East River to Navy Yard & made fast to Col. Dock at 5.30. Signaled for permission and hauled fires. By order of Chief Bureau Navigation discharged from the service C.A. Lombard machinist. By order of Secretary of the Navy Naval Cadets C. Davis, C.S. Radford, T.P. Calvin & H.H. Taylor were detached from this vessel, with orders to report to Comdg Officer of the U.S.S. Galena for duty.

J. H. Worthington
Ensign U.S.N.

8 P.M. to Mid
Clear and pleasant Light airs from E. to S.

Geo. F. W. Holman
Lieut U.S.N.

Examined and found to be correct.

H. K. Hewitt
Lieut & Navigator.

LOG of the UNITED STATES Steamer Essex, 3 Rate,

Navy Yard New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				Moored to Cob Dock Navy Yard N.Y.													
1					N.W.	2			30.28	74	69	64		b.	hmc	10	
2					"	2			30.28	74	68	63		b.c	cirrm	9	
3					N.W.	2			30.28	72	68	63		b.	hmc	10	
4					"	2			30.27	71	67	62		b.c	cirrm	9	
5					"	1			30.28	70	67	62		"	"	9	
6					"	1			30.28	70	68	63		"	"	9	
7					N.W.	1			30.28	69	68	64		"	"	9	
8					"	1			30.28	69	70	63		"	"	9	
9					"	1			30.28	70	71	64		"	cir	8	
10					S.W.	2			30.26	71	72	64		"	"	8	
11					"	1			30.26	71	72	64		"	"	7	
Noon.					S.S.W.	3			30.24	78	72	65		"	cirrm	5	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 390- gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1803 "

Coal consumed during the preceding 24 hours, 2 tons lbs.

Coal remaining on hand at Noon, 97 " 270 "

P. M.							
1	S.S.W.	2	30.24	73	74	67	b.c	cir cm	0
2	S.	3	30.24	74	74	67	"	"	0
3	"	3	30.23	73	74	67	"	cir str	4
4	"	3	30.22	73	73	66	"	"	4
5	"	3	30.22	73	71	65	"	"	4
6	"	3	30.22	72	71	65	"	"	3
7	"	2	30.22	73	71	66	"	"	3
8	"	1	30.22	74	71	66	"	"	3
9	"	1	30.21	73	71	66	o.c	"	0
10	"	1-3	30.21	72	70	66	o.c fo.g.l	cir mist	0
11	"	1-3	30.21	71	69	66	"	"	0
Mid.	"	1-3	30.21	70	69	66	o.c fo.g.	cir cm	0

under the command of Commander A. S. Snow, U. S. Navy,

Saturday July 12th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.
Clear & pleasant. Light breze from N. to N. E.

J. H. Shaburnston
Ensign U.S.N.

4 to 8 AM
Clear, warm & pleasant. Light airs from N. E. to E.

F. H. Brumby
Lieut U.S.N.

8 AM to Meridian
Clear and pleasant Light airs to light breze from E. to S.E. At 9.30 mustered at quarters J.A. O'Donnell Flds absent. Transported the broadside guns to port and shifted the pivot guns to port to list the ship and painted the copper starboard side with red chalk. A board of Survey came aboard to survey a steam oil can Engineers Depart. mnt. Naval Cadets W. M. Taylor C.S. Radford C. Davis and T.F. Rahm were detached by order of the Secty of the Navy and ordered to the "Vermont". Halvis (ch Htr) was sent up to the General Court Martial in charge of a Corporal of the Marine Guard, and being returned was put under the sentrys charge. Two workmen from Construction Dept of the Navy Yard came on board to work on the cap stain

Geo. F. Worthman
Lieut U.S.N.

Meridian to 4 PM
Pleasant, generally cloudy. Gentle breze from S.S.E. to S. Navy Yard workmen employed on capstain, steam cutter & engine. Ensign C.M. Stone U.S.N. having been detached from temporary duty on board the U.S.S. Vesuvius reported for duty on board this vessel

F. H. Brumby
Lieut U.S.N.

4 to 8 PM
Partly cloudy pleasant weather. Gentle breze to light airs from E. Paymaster H. H. Barry U.S.N. left the ship on leave until Wednesday evening. Jos Spear (cfp) was placed under sentry charge for safe keeping by order of Comdg Officer for being drunk on board ship

F. H. Brumby
Lieut U.S.N.

8 PM to Mid
Cloudy with passing showers. Light airs to gentle breze, with light squalls

F. H. Brumby
Lieut U.S.N.

Examined and found to be correct.

H. K. Hewitt
Lieut & Navigator.

LOG of the UNITED STATES Steamer Osceola, 3 Rate,

Navy Yard New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				Moored to Ob. Dock Navy Yard New York													
1					S.	2			30.21	70	68	66		o.c.r.	cirrus	0	
2					"	2			30.19	69	67	66		r.c. l	cir cirrus	1	
3					"	2			30.18	69	67	65		"	"	1	
4					"	2			30.18	69	67	65		o.c	"	0	
5					S. S.E.	2			30.19	69	67	64		"	"	0	
6					"	1			30.19	69	67	64		"	"	0	
7					S. S.E.	1			30.19	68	66	63		o.c.r.	"	0	
8					"	1			30.19	68	65	63		"	"	0	
9					S	1			30.18	68	65	63		"	"	0	
10					"	1			30.19	69	67	64		o	cirrus	1	
11					"	1			30.19	69	68	64		"	"	2	
Noon.					"	1			30.18	70	68	65		"	"	2	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.										
1	S. S.E.	1	30.17	70	68	66	o	cirrus	0	
2	S. S.E. x E.	1	30.16	70	67	65	o.d.	cirrus	0	
3	"	1	30.16	70	67	66	"	"	0	
4	"	1	30.16	69	67	66	"	cirrus	2	
5	S. S.E.	1	30.16	69	68	66	r.c	"	1	
6	"	2	30.16	68	68	66	"	"	4	
7	"	2	30.16	71	67	66	"	"	6	
8	"	1	30.16	71	68	66	"	"	6	
9	Calm	0	30.16	76	68	66	r.	"	8	
10	N. E.	1	30.16	76	67	66	"	"	8	
11	"	1	30.17	76	66	64	"	"	8	
Mid.	"	1	30.16	76	66	64	r.c.	"	6	

under the command of Commander A. S. Snow, U. S. Navy,

Sunday July 13th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Cloudy with passing showers first hour. Light breze from S.E.

F.H. Holden
Lieut U.S.N.

4 to 8 A.M.
Cloudy & Thundering. Rain showers at intervals last two hours Light airs from S.E. to S.S.E. Released Jos Spear cpl from under arrest charge and restored him to duty by order of Condy Officer

F.H. Holden
Lieut U.S.N.

8 A.M. to Meridian
Overcast or cloudy raining first hour. Barometer steady. Light airs from S. At 9.20 mustered at quarters Absentees veteran A.J. O'Donnell (Ldg) M. Kinsler (1st Cl) J.M. Cunningham (2nd Cl) D. Linehan (Coal) D.C. Whitsel (O.M.) P. Casey (OS) absent having left the ship without permission. The following boys were rated apps 1st class by order of Condy Officer A.R. Brown 3d class, J.A. Callan 2d class, P.M. Cannon 2d class J. Gregory 2d class, G.F. Lipps 2d class. H. Mendall 2d class; L.H. Dopp 3rd, T.C. Young 2nd, H. Gittins 2nd, H.C. Thomas 2nd, R. Post 2nd, T. Erskine 2nd, A. Piratzky 2nd.

J.T. Newton
Lieut U.S.N.

Meridian to 4 P.M.
Overcast drizzling at times after 1 o'clock Light airs from S.S.E and S.E. & S. Barometer steady

J.T. Newton
Lieut U.S.N.

4 to 8 P.M.
Clear & pleasant. Barometer steady. Light breze from S.S.E.

J.T. Newton
Lieut U.S.N.

8 P.M. to Mid
Clear and pleasant. Barometer steady Calms and light airs from S.E. P. Casey (OS) returned on board having been absent without permission

J.T. Newton
Lieut U.S.N.

Examined and found to be correct.

L.M. Sears
Lieut & Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

Navy Yard, New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				Moored to Ob dock Navy Yard New York													
1					N. E.	1			30.16	75	66	64		h.	None	10	
2					"	1			30.16	74	66	64		h.c	cir cum	6	
3					"	1			30.15	74	66	64		"	"	8	
4					Calm	0			30.15	74	65	64		"	"	8	
5					N. E.	1			30.16	72	65	63		"	cir str	9	
6					E. N. E.	1			30.16	70	64	63		h.c. ni	"	9	
7					"	1			30.17	70	66	64		"	"	9	
8					N. E.	1			30.17	78	68	65		"	cir cum	5	
9					S. W.	1			30.16	69	69	65		h.c	"	5	
10					"	1			30.16	70	70	66		"	"	5	
11					"	1			30.17	71	70	66		"	"	5	
Noon.					W.	2			30.17	71	71	67		"	"	1	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 295- gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1205 "

Coal consumed during the preceding 24 hours, tons ~~000~~ lbs.

Coal remaining on hand at Noon, 96 " 1710 "

P. M.								
1	W.	2	30.19	73	72	65	f.c	cir cum	1
2	"	2	30.20	74	73	69	"	"	1
3	S. S. W.	3	30.20	73	73	69	"	"	1
4	"	2	30.20	73	72	69	"	"	0
5	"	1	30.20	73	72	69	"	"	3
6	S	1	30.19	73	72	69	"	cir	9
7	"	1	30.18	73	71	68	"	"	7
8	"	1	30.18	74	70	68	"	"	7
9	"	2	30.19	74	72	69	"	"	5
10	"	1	30.19	74	72	70	"	"	5
11	"	1	30.19	74	72	70	"	"	5
Mid.	"	1	30.19	75	72	70	0	"	0

under the command of Commander A. S. Snow, U. S. Navy,

Monday July 14th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Clear and pleasant. Barometer steady. Light airs from N. & and calms. H. G. Hubbard (Pvt) was found to be absent without permission.

J. Newton
Lieut U.S.N.

4 to 8 A.M.
Clear and pleasant. Barometer steady. Calms and light airs from N.E. & E. J. M. Cuming (ap) returned at 4 hrs over Lieu. H. G. Hubbard Pvt Marine absent without leave, returned

J. Newton
Lieut U.S.N.

8 A.M. to Meridian
Fair & pleasant; cloudy during last hour. Light airs from S.W. & light breze from W. At 9.30 ins packed crew at quarters and cleaned at company drill. By order of Comdg Officer confined O. Casey (O) 5 ds Bread & Water leaving the ship without permission. Relieved Thos Grenhalgh and placed him under sentry charge. At 8.45 four workmen from Construction Dept came on board to work on capstan. A. J. Bostwick M. Kiesha O.D. White (pvt. R.) G. W. Bratton (oiler), D. Linehan (Cook), C. F. Lipps (app), T.B. Young (app) absent without leave. At 10.15 Thos Grenhalgh was released from sentry charge and taken before a General Court Martial for trial.

J. H. Hetherington
Ensign U.S.N.

Meridian to 4 P.M.
Cloudy & pleasant. Light to gentle breze from W. to S.E. & W. At 12.15 T. Grenhalgh (C.H.) returned to the ship and was placed under the sentry charge. At 1 P.M. Grenhalgh before the court at 3 hrs returned and by order of Comdg Officer placed Grenhalgh and L. W. Waters in confinement in the cells and placed O. Casey (O) under sentry charge. Received fresh meat for the crew, which was found to be unfit for use, and was returned to contractor.

J. H. Hetherington
Ensign U.S.N.

4 to 6 P.M.
Fair weather. Light airs from S.E. W. & S.

J. H. Hetherington
Ensign U.S.N.

6 to 8 P.M.
Clear and pleasant. Light airs from S. Barometer steady.

J. J. Newton
Lieut U.S.N.

8 P.M. to Mid
Clear, overcast last hour. Barometer steady. Light airs from S.

J. J. Newton
Lieut U.S.N.

Examined and found to be correct.

W. K. Lewis
Lieut & Navigator.

LOG of the UNITED STATES Steamer Essex, 3 Rate,
Navy Yard, New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				Moored to Cob Dock Navy Yard New York													
1					S	1			30.20	74	72	70		o.c	cum	0	
2					"	1			30.19	75	71	70		"	"	0	
3					Calm	0			30.19	74	70	69		"	"	0	
4					S.S.W.	1			30.19	74	71	70		o.c.m.	"	0	
5					S.W.	1			30.18	73	71	70		o.c.f.m.	"	6	
6					"	1			30.19	72	70	70		"	"	6	
7					S	1			30.18	72	71	70		o.c.	"	6	
8					"	1			30.18	72	73	70		"	"	0	
9					N.W.	1			30.19	73	73	71		o.c.m.	"	6	
10					S.W. x S.	1			30.19	73	73	72		f.c	"	1	
11					S.W.	2			30.19	75	74	73		"	"	3	
Noon.					"	2			30.20	78	76	74		"	"	2	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 338 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 807 "

Coal consumed during the preceding 24 hours, tons ~~40~~ lbs.

Coal remaining on hand at Noon, 96 " 1316 "

P. M.										
1	S.S.E.	2	30.18	80	79	76	f	Rain	10	
2	"	2	30.16	80	80	77	"	"	10	
3	"	2	30.16	82	81	78	f.c	cir cum	9	
4	"	2	30.14	83	82	79	"	"	8	
5	S	2	30.13	82	82	78	"	"	4	
6	"	1	30.13	81	81	77	"	"	2	
7	"	1	30.14	83	80	77	"	"	2	
8	"	1	30.15	83	80	77	o.c.f.	"	0	
9	"	1	30.16	83	80	77	f.c	"	2	
10	N.W. x W.	1	30.16	83	80	77	"	"	4	
11	"	1	30.16	81	79	76	"	"	6	
Mid.	"	1	30.16	81	79	77	"	"	6	

under the command of Commander A. S. Snow, U. S. Navy,

Tuesday July 15th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Overcast & cloudy misty during last hour. Calm & light airs from S. & S.S.W.

J. H. Witherington
Ensign U.S.N.

4 to 8 a.m.
Overcast cloudy foggy & misty. Light airs from S.W. and S. Hauled lighter alongside and at 6.15 commenced coaling ship stopped coaling at 7.10 Recived on board 8 1400/2240 tons hard coal. Draught of ship forward 13' 3" amidship 14' 7" aft 16' 2" before coaling

J. H. Witherington
Ensign U.S.N.

8 a.m. to Meridian
Mostly cloudy & pleasant. Light airs & breezes from N.W. to S.W. Surgeon Forbes left ship on five days leave of absence. Coaling ship. The following men were absent from ship without leave. A. J. O'Donnell. M. Kinsler (W.T.) W. G. Bratton (oiler) Linnehan (Cork) G. Allen (C.C.) E. D. Whitby (P.M.) G. F. Lipps (app.) J. E. Young (app.) At 10. sent prisoner Waters up to General Court Martial. J. E. Young (app.) 2 hrs over time. D. Linehan C.C. returned on board 5-3 hours over time. 117½ lbs fresh beef, 117½ lbs fresh vegetables and 94 lbs fresh bread were received in Pay Dept.

D. McAlone
Ensign U.S.N.

Meridian to 4 p.m.
Clear & pleasant. Light breeze from S.S.E. At 1.15 sent the Court martial prisoner Leon Waters up to Genral Court Martial room. Stopped coaling at 3.45 on account of heat. Court martial prisoner was returned on board at 3.20.

D. McAlone
Ensign U.S.N.

4 to 6 p.m.
Cloudy & warm. Light airs and light breezes from S. Began coaling ship again after supper. Sent a liberty party ashore

D. McAlone
Ensign U.S.N.

6 to 8 p.m.
Cloudy hazy & hot. Light airs from S. Stopped coaling at 7.30 having recived on board 64 tons

J. H. Witherington
Ensign U.S.N.

8 p.m. to Mid.
Fair and warm. Light airs from S. to W. & N.

J. H. Witherington
Ensign U.S.N.

Examined and found to be correct.

L. K. Jones
Lieut & Navigator.

LOG of the UNITED STATES Steamer East , 3d Rate,

Navy Yard New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				Moored to Cob Dock Navy Yard New York.													
1					S	1			30	16	81	79	77		b	none	10
2					"	1			30	16	80	79	76		"	"	10
3					N.	1			30	16	79	77	74		"	"	10
4					"	1			30	16	79	76	73		"	cirrostr	5
5					N. N. W.	1			30	17	77	76	73		b.c	cirrus	4
6					"	1			30	16	76	76	73		"	"	4
7					"	1			30	16	76	76	74		"	"	6
8					N. W.	1			30	17	77	76	74		"	"	6
9					"	1			30	16	76	77	74		"	"	6
10					N. N. E.	2			30	17	78	78	75		"	cumu	8
11					N. E.	2			30	17	81	80	75		"	"	8
Noon.					"	2			30	15	82	81	75		"	"	8

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 360 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 370 "

Coal consumed during the preceding 24 hours, tons 800 lbs.

Coal remaining on hand at Noon, 161 " 2030 "

P. M.									
1		N.	2	30	19	83	83	76	b.c	air cumu	5
2		S. S. W.	2	30	19	84	83	73	"	"	9
3		S. S. E.	2	30	19	84	84	74	"	"	9
4		S. S. W.	2	30	19	84	85	74	"	"	9
5		"	2	30	18	84	84	76	"	"	9
6		N.	2	30	18	83	83	79	"	air	5
7		"	1	30	17	83	82	76	"	"	4
8		S. W.	1	30	18	84	82	77	"	air cumu	4
9		S. S W.	2	30	18	84	82	77	"	cumu	10
10		W.	2	30	18	84	82	77	"	"	10
11		Calm	0	30	17	83	81	77	"	"	10
Mid.		"	0	30	16	82	80	78	"	"	10

under the command of Commander A. S. Snow, U. S. Navy,

Wednesday July 16th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.
Clear & pleasant, clouding over last hour. Light airs from S & W.

P. McCrea
Ensign U.S.N.

4 to 8 AM.
Partially cloudy. Light airs from W.N.W and N.W. Executed morning orders. Finished coaling at 5.20 having taken in 65 1/2 tons of coal. Draughts of water after coaling, forward 16.4; Midship 16.2 aft 14.

D. Gwathmey
Ensign U.S.N.

8 AM. to Meridian
Clear and warm. Light airs to light breze from N.W. hauling to N.E. At 9 mustered at quarters A.J. O'Donnell (Cdr) absent, was declared a deserter from date, and the Paymaster was ordered to close his accounts. Other absentees are M. Kinsler (W.T) E.D. White (Pos) Geo Allen (C.F.C) W.G. Bratton (oiler) and G.F. Lipps (Appr) Exercised the divisions according to routine. Paymaster Barry returned from leave. T. Grumbaugh (C.H) was given one hours exercise on deck. Two workmen from Equipment Dept of the yard at work on board. Ran out the water from the boilers. Ships Waters Watson was sent before the court and being returned to the ship was placed under arrest in charge. The following punishments were adjudged by order of Commanding Officer - Reduction to 4th Class. J. M. Cunningham (2d Mr) 24 hrs over time; D Linehan (S. Cook) 3 hrs over time; F.E. Young (Appr) 2 hrs over time; and W.G. Hubbard absent without leave, obtained permission to go to barracks July 15 in the A.M., remained all night, thereby avoiding midwatch as orderly returning at 7 am 16th Reduction to 2d class, C Olsen (C.F) 1 light and 1 hr over time. Jas Dwyer was adjudged 5 ds bread & water, the punishment to begin at the release of P. Casey (05) from the brig, for leaving the ship without permission and refusing to return when hailed by sentry on gangway & ordered to do so.

Jno. H. Holman
Lieut U.S.N.

Meridian to 4 PM.
Clear and warm. Light breze variable between N.E through S to W. Received from hydrant ashore 2702 gallons of fresh water. A board of Survey. Chief Engr McValin senior officer came aboard to survey the engines. Received on board 1 set transfer discription list etc from Receiving Ship Vermont. Julian DeForey Master at Arms. Received on board this date Marine clothing. Issued small stores. Transferred to the Vermont by order of Bureau of Navigation Herman Johnson Master at Arms. Sent ashore a reward of $10 each for M Kinsler (W.T), G.W. Bratton (oiler), A.D. White (Pos), G.F. Lipps (Appr) & G. Allen (C.F.C)

Jno. H. Holman
Lieut U.S.N.

4 to 8 PM.
Clear and sultry. Barometer steady. Light breze from S.E. Sent a liberty party ashore.

J. T. Newton
Lieut U.S.N.

8 PM. to Mid.
Clear and sultry. Barometer steady. Light breze from W & Calms.

J. T. Newton
Lieut U.S.N.

Examined and found to be correct.

W. K. Lenz
Lieut & Navigator.

LOG of the UNITED STATES Steamer Essex , 3 Rate,

Navy Yard New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				Moored to Ct. Dock Navy Yard New York													
1					Calm	0			30.18	82	81	77		f.	None	10	
2					"	0			30.18	82	80	77		f. c.	"	10	
3					"	0			30	18	81	80	77		"	"	10	
4					N.	2			30	18	81	80	77	o. c. f. g.	nimb	0	
5					Calm	0			30.	15	80	79	76	"	cir cum nimb str	4	
6					S	1			30.	14	80	79	77	f. c. g.	cir cum nimb	7	
7					Calm	0			30.	12	79	79	77	"	"	4	
8					N. by N.	1			30.	12	80	79	77	f. c. g. g.	"	4	
9					N.	1			30.	12	80	80	78	f. m.	"	10	
10					S. by N.	2			30.	11	81	81	78	"	"	10	
11					"	3			30.	09	83	82	78	f. c. m.	"	9	
Noon.					N.	3			30.	08	80	84	78	"	"	9	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 930 gallons.

Water during the preceding 24 hours, 2700 "

Water remaining on hand fit for use at Noon, 2930 "

Coal consumed during the preceding 24 hours, tons 500 lbs.

Coal remaining on hand at Noon, 161 " 1620 "

P. M.									
1		N.	3	30.04	86	80	77	f. c	cir cum nimb 4
2		N. × N.	2	30.03	86	80	77	"	" 4
3		N.	3	30.01	86	80	77	"	" 4
4		N. N.	3	30.01	86	80	77	"	" 2
5		N. N. N.	2	30.00	86	80	76	o. c. f. r. p.	cum nimb 0
6		N.	2-3	30.00	84	84	77	o. c. f. r. p. g.	" 0
7		"	2-3	30.00	81	78	74	o. c. f. r. p.	nimb 0
8		"	2	30.00	82	79	76	"	" 0
9		S.	1	29.99	80	78	76	f. c. l	cum nimb 6
10		"	1	29.99	79	78	74	"	" 6
11		N.	2	29.98	78	78	74	"	" 9
Mid.		"	2	29.97	76	77	76	"	" 0

under the command of Commander A. S. Snow, U. S. Navy,

Thursday July 17th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Clear and sultry first part with heat lightning, sky clouded over last hour and a heavy shower fell, at 3.45 Calm first part, light breze from west last hour.

Jas. F. W. Holman
Lieut U.S.N.

4 to 8 a.m.
Weather clearing somewhat the rain ceasing at 4.20 but still hazy and gloomy. Sultry. Light airs from S first hour calm second hour, light airs from N. N. W. to W. last part. Broke out the hold and made preparations for receiving stores aboard. Recived on board for use of crew 117½ lbs fresh beef, 117½ lbs fresh vegetables & 9 lbs fresh bread.

Jas. F. W. Holman
Lieut U.S.N.

8 a.m. to Meridian
Warm sultry, hazy. Light to gentle breze from W. to S.W. The following men absent without leave. M. Kinsler W. 7 S.W. Bratton (solty) C. F. Lipps (Apl) Geo Allen (Coc) & E. D. White (Pol. M) Recd on board stores in Pay Dept & 7 flags for South Atlantic Station. 2 position pennants, 1 Convoy, - and 16 yds of Bunting In Equipt Dept. The Board of Survey of which Chief Engr De Valin USN is senior offic met on board to complete reports on high pressure valve Lieut J. V. D. Blecker USN left the ship on five days leave.

F. W. Wilcox
Lieut U.S.N.

Meridian to 4 p.m.
Warm & pleasant. Threatening rain last hour. Light to gentle breze from W. to N.W. Recd mess rigger and hand for capstan.

F. W. Wilcox
Lieut U.S.N.

4 to 8 p.m.
Overcast, Heavy passing showers with thunder and lightning. Light to gentle breze from between N.W. & N. with moderate squalls second hour. Finished stowing the hold & store rooms. Sent a liberty party ashore.

Jas. F. W. Holman
Lieut U.S.N.

8 p.m. to Mid
Clearing weather. Light airs to light breze shifting at 8.30 from N. to S and thus handing to the

Jas. F. W. Holman
Lieut U.S.N.

Examined and found to be correct.

Le. K. Lewis
Lieut & Navigator.

LOG of the UNITED STATES Steamer Essex, 3 Rate,

Navy Yard New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				Moored at Col Dock Navy Yard New York													
1					W.	2			29.95	70	76	73		l.c	cu cum	8	
2					"	2			29.90	75	76	73		"	"	8	
3					"	2			29.90	75	75	73		"	"	8	
4					N. W.	2			29.90	75	75	73		"	"	8	
5					"	2-4			29.97	75	74	72		l.c gr.	"	8	
6					"	4			29.98	74	74	70		l.c	"	8	
7					"	3			29.98	74	74	70		"	"	8	
8					"	3			30.00	70	74	68		"	"	8	
9					N.	3			30.00	70	74	67		"	"	5	
10					"	3			30.02	75	75	67		"	"	7	
11					"	3			30.04	76	75	68		"	"	8	
Noon.					N. N. E.	2			30.00	76	75	68		"	"	7	

Course and distance made good since preceding noon by observations, knots, tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 320 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2606 "

Coal consumed during the preceding 24 hours, tons 375 lbs.

Coal remaining on hand at Noon, 161 " 1205 "

P. M.								
1	N.	2	30.06	76	75	67	l.c	cu cum	8
2	"	2	30.07	76	75	67	"	"	8
3	"	2	30.07	75	75	67	"	"	8
4	N. N. E.	2	30.07	75	75	67	"	"	8
5	"	2	30.06	75	75	67	"	"	8
6	"	2	30.06	75	75	67	"	"	8
7	N. E.	2	30.06	76	74	66	"	"	7
8	E. S. E.	2	30.00	75	74	66	"	"	6
9	Calm	0	30.09	78	74	67	"	cum	8
10	N. W.	1	30.10	78	74	66	"	"	9
11	"	1	30.10	77	74	66	l	none	10
Mid.	"	1	30.10	77	73	65	"	"	10

under the command of Commander A. S. Snow, U. S. Navy,

Friday July 18th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Clear & pleasant. Light breze from N.W. to N.W.

[redacted]
Lieut U.S.N.

4 to 8 A.M.
Partly cloudy pleasant weather. Light to Mod. breze from N.W. to N. Light squall first hour. Cleaned bilges Loosed sails to dry

[redacted]
Lieut U.S.N.

8 A.M. to Meridian
Clear and pleasant. Lmts to light breze from N and N.N.E. Barometer rising At 9 30 mustered at quarters. Absentees without leave M. Kinsler (M.T.) G.H. Bratton (oiler) G.F. Lipps (appr) Geo Allen (C.F.C.) E.S. White (Pos. M.) Exercised as follows 1st Div. pistols; 2', 3', & Powder, Infantry, Navigation Single sticks Workmen on board Construction 3

J.J. Newton
Lieut U.S.N.

Meridian to 4 P.M.
Bright and pleasant. Barometer steady. Light breze from N. and N.N.E. At 4 furled sail. Served out clothing. 11 Workmen from Construction 3

J.J. Newton
Lieut U.S.N.

4 to 8 P.M.
Generally clear & pleasant weather. Light breze hauling from N.N.E to N.E. & E.S.E.

[redacted]
Lieut U.S.N.

8 P.M. to Mid
Clear & pleasant. Calm & light airs from N.W.

[redacted]
Lieut U.S.N.

Examined and found to be correct.

Le. K. Courts
Lieut & Navigator.

LOG of the UNITED STATES Steamer Essex, 3 Rate,

Navy Yard, New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				Moored to Col Dock Navy Yard New York													
1					N	3			30.10	75	67	65		b.	hmcu	10	
2					"	1			30.10	75	70	63		a	"	10	
3					"	1			30 10	74	69	63		"	"	10	
4					"	1			30 10	74	69	62		"	"	10	
5					N. 11-	1			30. 09	73	69	61		b. c	cicbi	9	
6					11-	2			30. 08	70	69	64		a	"	8	
7					"	2			30 08	70	69	63		a	a	8	
8					"	2			30. 08	71	69	62		a	"	9	
9					"	2			30 07	70	71	65-		"	cucum	9	
10					11-N. 11-	2			30. 07	72	72	60-		"	"	8	
11					N. 11-	2			30 07	72	72	65-		a	"	8	
Noon.					"	4			30 07	72	72	60-		"	"	6	

Course and distance made good since preceding noon by observations, knots, tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 308 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 297 "

Coal consumed during the preceding 24 hours, tons 370 lbs.

Coal remaining on hand at Noon, 161 " 880 "

P. M.									
1	N.11xN.	4	30.00	72	72	64	b.	cucum	6
2	"	4	30.06	72	71	64	"	"	8
3	"	4	30.06	72	72	63	"	"	7
4	N.	4	30.08	71	71	62	"	"	8
5	N.11-xN.	3	30.10	71	71	62	"	"	9
6	N.	3	30.12	71	71	62	b.	"	10
7	"	3	30.14	73	71	62	"	"	10
8	"	3	30.16	74	71	62	"	"	10
9	N.11-	3	30.17	76	71	62	"	cucum	10
10	N.N.11-	4	30.19	76	71	62	"	"	10
11	"	4	30.18	72	70	62	"	"	10
Mid.	"	4	30.17	69	69	61	"	"	10

under the command of Commander A. S. Snow, U. S. Navy,

Saturday July 19th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Bright and pleasant. Barometer steady. Gentle to light breze from N.

J. J. Newton
Lieut U.S.N.

4 to 8 a.m.
Clear and pleasant. Barometer steady. Light airs and light breze from N. 11- and 11- Received in Pay Dept 177½ lbs vegetables, 117½ lbs fresh meat.

J. J. Newton
Lieut U.S.N.

8 a.m. to Meridian
Clear & pleasant. Light to moderate breze from 11- to N. 11- At 9.30 mustered and inspected crew at quarters The following men were absent without leave. M. Kinsbr (11-T.) P. D. White (Pvt. M.) Geo Allen (C.T.C.) G. H. Bratton (oiler) J. F. Lipps (appr) J. Robinson (S.Corpl) A. Clark (2.C.T.) Offered a reward of ten Dollars for the return of J. Robinson (S.C.) and A. Clark (2.C.T.) Visited magazine and torpedo locker flood cocks and found them in good working order. By order of Commanding Officer released P. Casey (o.s) from confinement under sentence, and placed Jas Dwyer (C.M.) under sentence of Bread & Water for 0 days, for leaving the ship without permission and refusing to return when ordered by the sentry. Three workmen from Construction Dept at work on capstan.

J. A. Hetherington
Ensign U.S.N.

Meridian to 4 P.M.
Clear fine weather. Mod. breze from N. 11- x N. Ensign J. H. Shipley left was ordered by the Department to report to President of Board of Medical Examiners for physical examination for promotion.

W. Rey Phelps Field.
Ensign U.S.N.

4 to 6 P.M.
Clear fine weather. Gentle breze from N. 11- x N and N.

W. Rey Phelps Field.
Ensign U.S.N.

6 to 8 P.M.
Clear & pleasant. Gentle breze from N. Bratton (oiler) returned on board 5 days & 13 hrs overtime

D. M. Stone
Ensign U.S.N.

8 P.M. to Mid.
Clear and cool. Gentle to moderate breze from N. 11- & N. N. 11-

D. M. Stone
Ensign U.S.N.

Examined and found to be correct.

L. K. Lewis
Lieut & Navigator.

LOG of the UNITED STATES Steamer Essex, 3 Rate,

Navy Yard New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				Moored to Cob-Dock Navy Yard N.Y.													
1					N.N.W.	1			30.17	68	66	60		b	Cum	10	
2					"	3			30.17	68	65	59		"	"	10	
3					"	3			30.16	67	64	59		b.c.	cir	9	
4					"	3			30.16	66	64	59		"	cir str	7	
5					"	3			30.18	66	63	58		"	"	1	
6					N.W.	3			30.19	66	63	59		0	cir cum str	0	
7					N.	2			30.20	65	63	58		b.c	"	2	
8					"	2			30.20	65	63	59		"	"	2	
9					"	2			30.20	69	66	61		"	cir cum	2	
10					"	2			30.20	69	67	61		"	"	2	
11					"	2			30.20	69	64	61		"	"	2	
Noon.					"	2			30.20	69	69	61		"	"	2	

Course and distance made good since preceding noon by observations, knots, tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 335 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1962 "

Coal consumed during the preceding 24 hours, tons 3 lbs. 70

Coal remaining on hand at Noon, 161 " 555 "

P. M.										
1			N.	2	30.24	70	69	62	b.c	cir cum	2
2			E.	1	30.24	71	70	63	b.c.r.	"	4
3			N.N.W.	2	30.24	70	70	63	"	"	4
4			N.	2	30.24	70	69	62	"	"	6
5			"	2	30.24	70	70	62	"	"	6
6			"	2	30.24	71	70	62	b.c	cir cum str	8
7			"	2	30.25	72	69	62	"	cum str	9
8			"	2	30.26	74	69	62	"	"	9
9			"	2	30.27	70	68	61	b	Rain	10
10			"	2	30.27	76	68	61	"		10
11			"	2	30.27	76	68	61	"		10
Mid.			N.N.W.	2	30.27	76	67	61	"		10

under the command of Commander A. S. Snow, U. S. Navy,

Sunday July 20th, 1898.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.
Clear and cool, Barometer steady. Moderate to gentle breze from N.N.W.-

J. P. Nelson
Lieut U.S.N.

4 to 8 a.m.
Clear at first cloudy or overcast latter part. Gentle breze from N.N.W. & N.W. A. Gulmuydun (o.s.) was found to be absent from the ship, having left without permission. Received in Pay Dept. 111# fresh beef, 111# fresh vegetables & 88 lbs fresh bread. P. Lisbon (o.s.) was found to be absent without permission

J. P. Nelson
Lieut U.S.N.

8 a.m. to Meridian
Mostly cloudy, with light breze from N. At 9.20 mustered at quarters. The following men were absent from the ship without leave. M. Kinsler (1st Cl.) Geo Allen (C.T.C.) G.F. Lipps (app.) E.D. Thilo (Pay Yeo.) Aly Clark (2d Cl.) Jno Robinson (Corpl.) A. Gulmuydun (o.s.) P. Lisbon. H. Punt (app.) was absent after 10 a.m. at 10.00 the Condy Officer inspected the crew and ship. Sent liberty party on shore. The following punishments were awarded by the Condy Officer. Thos. Flaherty (Ord.) 4th Class and 4 hrs extra duty, H.A. Jones (Sea.) M. Griffin (Sea.) Geo Griffith (Sea.) H.G. Young (Sea.) reduced to 4th Class. from today H.G. Young (Sea.) 4 hrs extra duty. G.H. Bratton (oiler) reduced to 4th Class.

D. McClone
Ensign U.S.N.

Meridian to 4 p.m.
Partially cloudy. Light rains and breze from N.W. & E. and N.N.W.- Rain squalls second hour

D. McClone
Ensign U.S.N.

4 to 6 p.m.
Clear & pleasant, Light breze from N.

D. McClone
Ensign U.S.N.

6 to 8 p.m.
Clear fine weather, Light breze from N.

W. Roy Nelson Field
Ensign U.S.N.

8 p.m. to Mid
Clear fine weather, Light breze from N.

W. Roy Nelson Field
Ensign U.S.N.

Examined and found to be correct.

H. K. Lewis
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex" , Rate,

Navy Yard New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1					North	1			30.31	73	66	61		b	cum	10	
2					N. N. W.	2			30.31	72	65	60		"	"	10	
3					North	2			30.31	72	64	59		"	"	10	
4					"	2			30.32	70	63	59		"	"	10	
5					"	1			30.32	69	63	59		b.c.	Str.	9	
6					"	1			30.33	65	62	57		b	None	10	
7					"	3			30.34	64	63	59		"	"	10	
8					"	3			30.34	66	64	59		"	"	10	
9					"	3			30.34	68	67	61		"	"	10	
10					N. W. E.	3			30.34	69	66	61		b.c.	Cum	9	
11					N. E. by N.	3			30.34	69	66	61		"	"	8	
Noon.					"	3			30.34	69	69	61		"	"	4	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, tons 3 7 5 lbs.

Coal remaining on hand at Noon, 161 " 130 "

P. M.									
1				N. E by N.	3	30.33	70	69	61	b c	cum	4
2				North	2	30.33	70	69	61	"	"	4
3				"	2	30.33	71	69	61	"	"	5
4				"	2	30.32	71	70	62	"	"	5
5				"	2	30.32	72	70	62	"	cir. cum	6
6				"	1	30.32	72	71	63	"	"	9
7				South	2	30.32	71	71	64	"	"	8
8				S. S. W.	2	30.32	72	71	64	"	"	9
9				"	2	30.32	73	71	64	"	"	9
10				"	2	30.32	75	71	64	"	"	9
11				"	2	30.33	74	70	64	"	"	8
Mid.				"	2	30.33	73	70	63	"	"	8

under the command of Commander A. B. Dixon, U. S. Navy,

Monday July 21st, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and Cool. Light airs and breze from North and N.N.W.

D.M. Delone
Ensign U.S.N.

4 to 8 A.M.

Clear and pleasant. Light airs to gentle breze from North.

D.M. Delone
Ensign U.S.N.

8 A.M. to Meridian

Clear and pleasant, Clouding over latter part. Barometer steady. Gentle breze from North, N.N.E. and N.E. by N. at 9:30 mustered at quarters, Absentees on time, W. Kinsler (N.S.) Geo Allen (C.F.C.) G.F. Lipps (1st Sgt.) E.D. White (Port M) Alex Clark (2 C.F.) Jos Robinson (S. Corp) H. Punt (1.c.op) P. Liston (O.S.) A. Gulmuyden. The Marines and 1st and 2nd Companies were drilled as Infantry. H. Punt (1st op) returned 24 hrs on time, Receiving Paymasters stores.

J. T. Newton
Lieut. U.S.N.

Meridian to 4 P.M.

Cloudy and pleasant barometer steady, Gentle to Light breeze from N.E. by N. and North. W. Kinsler (N.S.) returned 8 dys. 8 hrs on time, Received from the U.S.S. "Galena" Chas. T. Falconer Machinist

J. T. Newton
Lieut U.S.N.

4 to 8 P.M.

Clear and pleasant. Barometer steady. Light breeze and light airs from North.

J. T. Newton
Lieut U.S.N.

8 P.M. to Midnight

Clear and pleasant. Light breezes from S.S.W. Jas Robinson (Ships Corp.) returned on board 9 days and 14 hrs on time.

D.M. Delone
Ensign U.S.N.

Examined and found to be correct.

L. K. Lewis
Lieut & Navigator.

LOG of the UNITED STATES Steamer Essex , Rate,

Navy Yard New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	Air, Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1					West.	2			30.33	73	68	62		bc.	cir cum	6	
2					"	2			30.32	72	68	62		"	cir	6	
3					"	2			30.32	71	67	62		"	"	6	
4					"	2			30.32	71	66	62		"	"	6	
5					S. W.	1			30.33	70	66	62		"	cir Str.	9	
6					West	1			30.33	70	67	63		"	"	9	
7					W. N. W.	1			30.34	69	68	64		bcm	"	8	
8					"	1			30.34	69	68	63		"	"	8	
9					West	1			30.34	70	70	65		"	Cum	9	
10					S. W.	1			30.34	70	70	64		bc	cir cum	7	
11					"	1			30.33	71	71	63		"	"	4	
Noon.					S. S. W.	1			30.33	72	72	64		"	"	6	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 290 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1342 "

Coal consumed during the preceding 24 hours, tons 3 lbs. 75

Coal remaining on hand at Noon, 160 " 1995 "

P. M.																	
1					S. W by S.	1			30.33	73	72	64		bc	cir Str	1	
2					"	1			30.33	73	72	63		"	"	2	
3					S. S. W	2			30.33	73	73	63		"	"	4	
4					"	2			30.33	74	73	64		"	"	7	
5					"	2			30.33	73	72	64		"	"	7	
6					"	3			30.32	72	71	64		b	none	10	
7					"	2			30.31	71	70	64		"	"	10	
8					"	2			30.31	73	69	65		"	"	10	
9					S. W	2			30.32	75	70	65		bc	Cum	9	
10					"	2			30.32	75	70	65		"	"	9	
11					"	1			30.33	75	69	64		"	"	9	
Mid.					"	2			30.33	74	69	64		b	none	10	

under the command of Commander A. S. Snow, U. S. Navy,
Tuesday July 22nd, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Clear and pleasant. Gentle to light breeze from West
Barometer steady

J. T. Newton
Lieut U.S.N.

4 to 8 A.M.
Clear and pleasant Barometer steady, Light airs from Westward. Lieut J. V. B. Blocker U.S.N. returned from leave of absence

J. T. Newton
Lieut U.S.N.

8 A.M. to Meridian.
Clear and pleasant, Light airs from West to S.S.W. at 9:30 mustered at quarters and exercised 1st and 2nd divisions Infantry and 3rd Great Guns. The following men were absent without leave, J. F. Lipps (Apr) E. D. White, (Ord M.) Alex Clark (Y.C.T.) P. Liston (O.S.) A. Gulmmyden (O.S.) Geo Allen (C.T.C.) Surgeon N. M. Fenebee U.S.N. returned from leave, P. Liston (O.S.) returned on board and was placed under Sentry's charge for safe keeping by order of Commanding officer.

F. M. Wilcox
Lieut. U.S.N.

Meridian to 4 P.M.
Partly cloudy, Pleasant weather, Light airs to Light breeze from S.W by S. to S.S.W.

F. M. Wilcox
Lieut U.S.N.

4 to 8 P.M.
Clear and pleasant, Gentle to Light breeze from S.S.E. Landing to S.W. Sent a liberty party on shore.

Jno. H. Holman
Lieut U.S.N.

8 P.M. to Midnight.
Clear and pleasant, Light breeze to light airs from S.W.

Jno. H. Holman
Lieut U.S.N.

Examined and found to be correct.

L. R. Lenz
Lieut & Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

Navy Yard New York.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1					S. W.	2			30.33	73	68	63		b	none	10	
2					"	2			30.33	72	68	63		"	"	10	
3					"	2			30.33	71	68	63		"	"	10	
4					"	2			30.33	71	67	63		"	"	10	
5					S. S. W.	1			30.32	70	66	62		m	"	10	
6					"	1			30.32	69	65	63		"	"	10	
7					"	1			30.31	68	67	64		"	"	10	
8					"	1			30.31	69	67	64		bc.	circum	8	
9					S. S. E.	2			30.32	70	69	63		"	cum	8	
10					S. E.	2			30.32	71	70	64		"	"	8	
11					South	2			30.32	71	71	64		"	"	6	
Noon.					"	2			30.31	72	71	63		"	"	6	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 290 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1052 "

Coal consumed during the preceding 24 hours, tons 375 lbs.

Coal remaining on hand at Noon, 160 " 1620 "

P. M.										
1			S. S. E.	2		30.31	73	72	64	bc. circum 6
2			S. E.	2		30.31	73	72	64	" " 6
3			S. S. E.	2		30.30	73	72	64	" " 11
4			"	2		30.30	72	71	65	" " 3
5			"	2		30.29	72	71	65	" " 11
6			"	2		30.29	70	70	65	" " 11
7			"	2		30.29	70	69	65	" " 11
8			"	2		30.29	68	69	65	" " 11
9			South	1		30.29	74	71	67	" " 2
10			"	1		30.28	73	70	66	" " 11
11			"	1		30.27	72	69	66	" " 11
Mid.			"	1		30.25	72	69	66	" " 6

under the command of Commander A. B. Bmor, , U. S. Navy,
Wednesday July 23rd, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends 4 A.M.
Clear and pleasant, Light breeze from S. W.
~~J. T. Milner~~
Lieut U.S.N.

4 to 8 A.M.
Clear and pleasant misty, Light airs from S.S.W.
~~J. T. Milner~~
Lieut U.S.N.

8 A.M. to Meridian.
Bright and pleasant barometer steady. Light breeze from Southward. Ensign C. M. Stone left the ship on five days leave of absence from to-day. The commanding officer left the ship on a weeks leave of absence from to day. P. Liston (OS.) was released from Sentrys charge. At 9:30 mustered at quarters absentees without leave Geo Allen (CH.) J. F. Lipps (Capt.) Alex Clark (2C.F.) A. Gulmeydew (OS) D. E. White (Ord.) was declared a deserter on this day having been absent without leave since July 13th. Drilled as follows. 1st Div. Great Guns, 2nd Div. Infantry. 3rd Div. Infantry. Powder Div. and Navigators. Infantry. Manned Bayonet exercise, Received in the equipment stores, ½ cord Pine Wood. 3 lbs Slacked Lime, 50 gals Land Oil. 12 Oyster Forks, 12 Goblets, 12 Egg Cups. 1 coil 2½" Manilla, 50 ft. 1½" Hose, 1 Hatchet. The Galena went out of Commission at noon.

J. J. Newton
Lieut U.S.N.

Meridian to 4 P.M.
Clear and pleasant, Clouding over later part. Light breeze from S.E. and S.S.E. Barometer steady.

J. J. Newton
Lieut U.S.N.

4 to 8 P.M.
Partly cloudy, pleasant matter, Light breeze from S.S.E.
~~J. T. Milner~~
Lieut U.S.N.

8 P.M. to Midnight.
Partly cloudy- pleasant matter, Light breeze from South
J. J. Newton
Lieut USN

Examined and found to be correct.

Le. K. Lewis
Lieut & Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

Navy Yard New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	Air, Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1					S. S. E.	1			30.24	71	69	66		b.c.	cir cum	6	
2					Calm	0			30.24	70	69	66		"	"	4	
3					"	0			30.24	71	70	67		"	"	2	
4					East	1			30.23	70	70	67		"	"	1	
5					S. S. E.	1			30.23	70	70	67		"	"	1	
6					"	1			30.24	70	70	68		"	cir cum nimb.	1	
7					"	1			30.24	70	70	68		"	"	1	
8					"	2			30.24	71	70	68		o d	cum nim	0	
9					S. E.	2			30.23	72	70	69		b.c.	cir cum	1	
10					"	3			30.23	73	73	70		o.c.	"	0	
11					"	3			30.23	73	73	70		"	"	0	
Noon.					"	3			30.22	73	73	70		"	"	0	

Course and distance made good since preceding noon by observations, knots, tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 300 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 752 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 160 " 1220 "

P. M.											
1			S. S. E.	4	30.22	74	74	71	o.c.	cum	0
2			"	4	30.22	73	73	71	"	"	0
3			"	4	30.21	74	73	71	"	"	0
4			"	4	30.20	73	73	71	"	"	0
5			"	4	30.20	73	73	71	"	"	0
6			"	3	30.20	73	73	71	"	"	0
7			"	3	30.20	74	73	71	"	"	0
8			"	3	30.20	75	73	71	"	cum Str.	0
9			South	2	30.20	75	72	71	"	Cum	0
10			"	2	30.20	75	72	71	"	cum thing	0
11			"	2	30.20	75	72	71	o.k	"	0
Mid.			"	2	30.20	75	72	71	"	"	0

under the command of Commander N. E. Dyer, , U. S. Navy,

Thursday July 24th, , 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Cloudy. Light airs from S.S.E. and calms. Barometer steady.

J. T. Newlon
Lieut USN

4 to 8 A.M.

Cloudy and overcast. Light airs from East and S.E. Barometer steady. Received in Pay Dept. 1117 lbs fresh beef. 77 lbs Vegetables 90 lbs bread. Released Jas Dwyer (C.K.) his term of imprisonment having expired.

J. T. McNewlon
Lieut U.S.N.

8 AM to Meridian

Overcast. Gentle breeze from S.E. Mustered at quarters and exercised companies. A. Gulmuyden (OS) was absent without leave Geo Allen (C.F.C.) and P. F. Lipps. (Capp.) was declared deserters from this ship and the Naval service of the United States.

W Ry Mason Field.
Ensign U.S.N.

Meridian to 4 P.M.

Overcast, Moderate breeze from S.S.E. A board a survey of which Lieut G. P. Colvocoresses was senior member came on board to survey articles in Navigation. A. Clark (Y.C.F.) returned on board 5 days and 12 hrs overtime

W Ry Mason Field.
Ensign U.S.N.

4 to 6 P.M.

Overcast, Moderate breeze from S.S.E.

W Ry Mason Field.
Ensign U.S.N.

6 to 8 P.M.

Overcast, Gentle breeze from S.S.E.

W Ry Mason Field.
Ensign U.S.N.

8 P.M to Midnight.

Overcast, Light breeze from South. Passing showers latter part of watch.

Jas. H. Holman
Lieut. U.S.N.

Examined and found to be correct.

[illegible]
Lieut & Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

Navy Yard New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1					S. E.	2			30.20	75	73	72		o.c.	cum	0	
2					"	2			30.19	75	73	72		o.c.r.	cum nim	0	
3					"	2			30.17	75	73	72		"	"	0	
4					"	2			30.15	75	73	72		o.cm	"	0	
5					Calm	0			30.14	75	73	72		o.c	"	0	
6					E. S. E.	1			30.13	74	73	72		o.c.f.d	rain	0	
7					East	1			30.12	74	73	72		o.cm	"	0	
8					N. N. E.	1			30.12	73	73	72		"	"	0	
9					S. S. W.	1			30.12	73	73	72		o.c.r	"	0	
10					"	2			30.12	73	73	72		"	"	0	
11					"	2			30.12	73	73	72		"	"	0	
Noon.					"	1			30.11	73	72	71		"	"	0	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 572 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 240 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.																	
1					South	1			30.08	73	73	72		o.c.r	cum rain	0	
2					"	1			30.08	73	73	72		"	"	0	
3					"	1			30.08	74	73	72		"	"	0	
4					"	1			30.07	73	73	72		"	"	0	
5					"	1			30.07	73	73	72		o.c.d.	"	0	
6					"	1			30.07	73	73	72		o.c	cum str.	0	
7					"	1			30.08	73	73	72		"	"	0	
8					"	1			30.08	74	73	72		"	"	0	
9					S. S. W	1			30.09	75	73	72		"	Rain	0	
10					"	2			30.09	76	73	72		"	"	0	
11					"	3			30.10	75	73	72		o.c.r	"	0	
Mid.					"	3			30.10	75	73	72		o.c.r	"	0	

under the command of Commander A. S. Snow, U. S. Navy,
Friday July 25th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and untied 4 a.m.
Overcast and raining. light breeze from S.E.
W Ray Mason Field
Ensign U.S.N.

4 to 8 a.m.
Overcast, misty and light fog latter part of watch
Calm and light airs from E. S.E. East and N.E. Rigged in flying gig boom.
W Ray Mason Field
Ensign, U.S.N.

8 a.m. to Meridian
Cloudy & raining Light airs to light breeze from S.S.W.
A. Galimmyden (o.s.) having left the ship without permission on the night of July 19 is this day declared a deserter from this ship and the U.S. Naval service.
F. H. Brown
Lieut-U.S.N.

Meridian to 4 P.M.
Cloudy with light rain, Light airs from South, The torpedo boat Cushing arrived from the Eastward, The U.S.S. Pensacola hauled out of the dry dock, Received 2900 Gals fresh water from hydrant on dry dock.
F. H. Brown
Lieut-U.S.N.

4 to 8 P.M.
Overcast, Cloudy, light airs from South
W Ray Mason Field
Ensign U.S.N.

8 P.M. to Midnight.
Overcast, Cloudy, lightening, raining, light airs to Gentle breeze from S.S.W.
W Ray Mason Field
Ensign U.S.N.

Examined and found to be correct.

L. K. Lewis
Lieut & Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

Navy Yard New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1					S. S. W.	2			30.08	74	73	72		Oct	Nimbs	0	
2					"	2			30.08	74	72	71		"	"	0	
3					"	2			30.07	74	72	71		"	"	0	
4					"	2			30.07	74	73	71		"	"	0	
5					"	2			30.06	74	73	73		"	"	0	
6					"	2			30.05	73	73	73		"	"	0	
7					"	2			30.05	74	74	73		"	"	0	
8					"	2			30.05	74	74	72		"	"	0	
9					"	2			30.05	74	74	73		"	"	0	
10					"	2			30.05	74	73	72		"	"	0	
11					Calm	0			30.03	74	73	73		"	"	0	
Noon.					S. S. W.	1			30.01	74	74	73		"	"	0	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 248 gallons.

Water during the preceding 24 hours, 2900 "

Water remaining on hand fit for use at Noon, 2892 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.								
1		N. W.	2	30.00	75	74	Ocd	None 0
2		West.	2	30.00	76	75	Cir.	Cirrum 3
3		N. S. W.	2	30.00	78	77	"	" 4
4		"	2	29.99	79	78	"	" 6
5		S. W.	3	29.99	79	79	"	Cirro Str. 7
6		"	1	29.99	79	79	"	Cirrum Str. 1
7		"	1	29.99	80	79	"	" 1
8		"	1	29.99	81	79	"	" 1
9		"	1	30.06	81	78	"	Cirrum 2
10		"	1	30.07	81	78	"	" 2
11		"	1	30.07	80	78	Clear	" 2
Mid.		"	1	30.08	80	78	"	" 2

under the command of Commander N. S. Smith, U. S. Navy,

Saturday July 26th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M.
Cloudy and rainy, Light breeze from S. S. W.

F. Harmer
Lieut. U.S.N.

4 to 8 A.M.
Cloudy & rainy, Light breeze from S. S. W. received 111/4 lbs fresh beef 111/4 lbs vegetables and 91 lbs bread.

F. Harmer
Lieut U.S.N.

8 A.M. to Meridian.
Overcast and raining heavily, rain slacking a little last hour, light breeze from S.S.W. with a calm third hour. Paymaster W. M. Barry Mut on leave for seven days. at 9.30 mustered at quarters J.S. Braun cabin steward absent without permission, tested the magazine cocks.

Geo. W. Holman
Lieut U.S.N.

Meridian to 4 P.M.
Overcast; and drizzling rain from noon to one o'clock then clearing, Light breeze shifting from S.W. to N.W. Lieut backing to W.S.W. Sent a liberty party on shore, Brig "Fortune" left port. Exercised Waters (5 mins) and Greenleigh (C.H.) one hour each under Gunnery's charge.

Geo. W. Holman
Lieut U.S.N.

4 to 8 P.M.
Cloudy, Light airs from S.W. Ships Yeoman Hammond Mut on four days leave of absence.

F. Harmer
Lieut U.S.N.

8 P.M. to Midnight
Cloudy, Light airs from S.W. Barometer rose suddenly from 29.99 to 30.06

F. Harmer
Lieut U.S.N.

Examined and found to be correct.

Leigh K. Lewis
Lieut & Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

Navy Yard New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1					S. W.	2			30.09	78	77	74		ocr.	circum	7	
2					"	2			30.09	77	76	73		"	"	7	
3					"	2			30.09	76	76	73		"	nimb	0	
4					West	2			30.09	76	75	72		"	"	0	
5					W. N. W.	1			30.09	76	74	71		"	cumnimb	0	
6					N. W.	1			30.09	75	74	71		"	cir cumnimb	0	
7					"	1			30.09	75	74	71		ber	circum	1	
8					N. N. W.	1			30.09	75	74	72		"	"	4	
9					N. E.	1			30.17	77	76	73		be.	"	1	
10					"	1			30.17	77	77	73		"	"	7	
11					N. N. E.	1			30.18	78	78	73		"	"	3	
Noon.					N. N. W.	1			30.19	78	78	72		"	"	2	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 258 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2634 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.												
1			S. W.	1	30.19	80	79	72		dew	circum	0
2			"	1	30.19	80	79	72		"	"	0
3			"	1	30.19	80	79	73		"	"	0
4			"	1	30.19	80	79	73		"	"	0
5			West	1	30.19	80	79	78		be.	"	4
6			S. W.	2	30.19	80	79	73		"	CumStr.	6
7			S. S. W.	2	30.19	80	79	74		"	"	3
8			S. S. E.	2	30.19	80	78	73		"	cumnimb	3
9			S W by S	1	30.20	79	79	75		"	"	3
10			"	1	30.22	80	79	75		"	"	3
11			"	1	30.23	79	79	75		"	"	3
Mid.			"	1	30.24	79	79	75		"	"	4

under the command of Commander A. S. Snow, U. S. Navy,
Sunday July 27th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ~~ends~~ ends 4 A.M.
Overcast and hazy, Light breeze from S. W. Landing to West.

Jas. F. W. Holman
Lieut U.S.N.

4 to 8 A.M.
Hazy and warm, Sky clearing, Light airs from West to N. W. Received on board for use of crew 111½ lbs each fresh meat and vegetables and 90 lbs bread.

Jas. F. W. Holman
Lieut U.S.N.

8 A.M. to Meridian
Cloudy and warm, Light airs from N. E to N. N. W. at 9:30 Commdg Officer inspected ship and crew. Bar. rose suddenly from 30:09 to 30:17.

Lieut U.S.N.

Meridian to 4 P.M.
Cloudy and misty Light airs from S. W.

Lieut U.S.N.

4 to 8 P.M.
Cloudy and warm, Light airs to light breeze variable between West and S. S. E.

Jas. F. W. Holman
Lieut U.S.N.

8 P.M. to Midnight.
Fair, Light airs from S. W by S.

Jas. F. W. Holman
Lieut U.S.N.

Examined and found to be correct.

Leigh K. Lewis
Lieut & Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

Navy Yard New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1					West	1			30.24	78	77	73		b	none	10	
2					"	1			30.24	77	76	72		"	"	10	
3					"	1			30.24	76	76	72		"	"	10	
4					"	1			30.24	75	75	71		b.c.	cirSt.	6	
5					"	1			30.25	75	74	71		"	"	1	
6					"	1			30.26	75	74	71		bcw	circum	1	
7					"	1			30.27	75	74	72		"	"	1	
8					"	1			30.29	75	75	72		"	"	1	
9					N.E.	1			30.30	78	76	72		bc	"	4	
10					E.S.E.	1			30.31	78	77	72		"	"	3	
11					S.E.	1			30.31	79	79	72		"	"	5	
Noon.					E.N.E.	1			30.31	79	79	73		"	"	4	
P. M.																	
1					S.E by S.	1			30.31	81	80	74		bcr	circum	1	
2					"	1			30.30	81	81	73		"	"	1	
3					S.S.E.	2			30.30	81	81	75		"	"	1	
4					"	3			30.30	80	80	74		"	"	1	
5					S.by S.	2			30.30	79	79	73		ac.	"	0	
6					South	2			30.30	79	78	74		"	"	0	
7					"	2			30.31	80	79	74		"	"	0	
8					"	2			30.31	81	79	75		"	"	0	
9					"	2			30.32	81	79	74		"	"	0	
10					"	2			30.32	81	78	74		"	"	0	
11					"	2			30.32	80	77	73		acd	"	0	
Mid.					"	2			30.32	79	77	73		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 315 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2319 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 159 " 1860. "

under the command of Commander O. A. S. Snow, U. S. Navy,

Monday July 28th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.
Clear and pleasant, Light airs from West.

Lieut U.S.N.

4 to 8 AM.
Cloudy and misty, Light airs from West at 7.20 made Int'r. 5465 and loosed sail.

Lieut U.S.N.

8 AM. to Meridian.
Cloudy and Lot. Light airs varying and hauling between West and N. E. Through South. at 9.30 mustered at quarters T. Erskine (ass) absent, Drilled the battalion by companies in Infantry tactics.

Lieut U.S.N.

Meridian to 4 PM.
Cloudy and Lot. hazy. Light airs increasing in force to gentle breeze hauling from E. N. E to S. S. E, Exercised Waters (GW) and Greenhalgh (QM) one hour each under Sentry's charge., At 3.75 made signal Int. 4826. and 9 64. Furled sail & Ensign Lexington returned aboard.

Lieut U.S.N.

4 PM. to 8 PM.
Overcast and cloudy, Lazy, Light breezes from S. S. E to S. W by S. sent liberty party ashore. placed Mr Lineky (CM) under Sentry's charge on bread and water for three (3) days, by order of Commanding officer.

Ensign U.S.N.

8 P.M to Midnight.
Overcast and cloudy with drizzling rain last two hours Light breeze from South.

Ensign U.S.N.

Examined and found to be correct.

Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

Navy Yard New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	Air, Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1					S. S. W.	1			30.31	78	76	73		oc	cumulus	0	
2					"	1			30.30	78	76	73		"	"	0	
3					S. E.	1			30.29	75	75	72		"	"	0	
4					"	1			30.28	73	74	72		"	"	0	
5					N. E by E.	1			30.28	73	72	71		"	"	0	
6					E. N. E.	2			30.28	73	73	71		"	nimbus	0	
7					"	2			30.29	73	73	71		"	"	0	
8					"	2			30.30	71	72	70		ocd	"	0	
9					"	2			30.31	72	72	71		oc	"	0	
10					"	2			30.31	72	72	71		"	"	0	
11					"	1			30.31	73	73	71		"	"	0	
Noon.					"	1			30.31	74	73	72		"	"	0	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 900 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2019 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 159 " 1460 "

P. M.								
1		N. N. E.	1	30.31	75	74	oc.	nimbus 0
2		Calm	0	30.30	75	76	occas.	none 0
3		N. W.	1	30.29	75	76	"	" 0
4		N. N. E.	1	30.27	75	75	oc.	nimbus 0
5		South	1	30.27	76	76	"	" 0
6		S. W.	2	30.25	76	76	oc.	cir 7
7		"	2	30.25	76	75	"	" 7
8		"	1	30.26	76	75	red	circum 3
9		Calm	0	30.26	78	75	oc.	" 0
10		"	0	30.26	77	76	"	" 0
11		S. W.	1	30.26	77	76	"	" 0
Mid.		"	1	30.26	77	76	"	" 0

under the command of Commander A. T. Snow, U. S. Navy,

Tuesday July 29th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and unto 4 A.M.

Overcast and raining, Light airs from South, S.S.W and S.E.

Jno. F. W. Holman
Lieut U.S.N.

4 to 8 A.M.

Overcast with light rain turning to light drizzle Light airs to light breeze from N.E. by E. and E.N.E. P. Erskin (app.) returned aboard. The Despatch with the Secretary of the Navy aboard went out bound for New London, Received on board for use of crew 112½ lbs fresh meat, 50 lbs vegetables and 90 lbs bread.

Jno. F. W. Holman
Lieut U.S.N.

8 A.M. to Meridian

Overcast and cloudy, Light airs and light breeze from E.N.E. at 9.30 inspected crew at quarters and exercised 1st and 3rd and Powder Divisions at pistols 2nd Division, small arms. Navigators division, Gatling guns. U.S. Torpedo boat Cushing left the yard at 9 o'clock, Lieut F.A. Wilner left the ship on 5 days leave of absence

J. D. Hetherington
Ensign U.S.N.

Meridian to 4 P.M.

Overcast, Cloudy and misty, Calm and light airs from N.W. to N.N.E. Barometer falling, a medical board of survey of which P.A. Surg. T.C. Craig U.S.N. was senior member met on board to survey Pvt Maine Andrews U.S.M.C.

J. D. Hetherington
Ensign U.S.N.

4 to 8 P.M.

Cloudy. Heat lightening last hour, light airs to light breeze from South to S.W. Sent a liberty party ashore.

Jno. F. W. Holman
Lieut U.S.N.

8 P.M. to Midnight.

Overcast, Calm first part, Light airs from S.W. latter part.

Jno. F. W. Holman
Lieut U.S.N.

Examined and found to be correct.

Le. K. Lewis
Lieut & Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

Navy Yard New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	Air, Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1					N.S.W.	7			30.25	76	75	73		c.c.	rising	0	
2					West	3			30.25	76	75	72		"	"	0	
3					"	7			30.24	76	75	73		c.c.	cum rising	6	
4					"	7			30.24	76	74	73		"	"	6	
5					"	7			30.25	76	74	73		"	cir Str.	5	
6					"	3			30.25	76	73	72		"	"	6	
7					"	3			30.25	74	74	73		"	"	8	
8					"	3			30.25	74	75	73		"	"	8	
9					"	3			30.25	73	76	73		"	circum	6	
10					N.S.W.	3			30.26	76	77	74		c	none	10	
11					S.W.	2			30.26	77	78	75		"	"	10	
Noon.					"	2			30.25	79	80	76		"	"	10	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 330 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1689 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 159 " 1060 "

P. M.									
1			West	7	30.24	82	81	76	by	none	10
2			"	7	30.22	84	83	78	"	"	10
3			"	7	30.22	85	84	78	"	"	10
4			"	7	30.21	86	85	78	"	"	10
5			"	7	30.19	86	85	79	b.c.	circum	8
6			N.S.W.	7	30.18	86	85	79	"	"	9
7			S.W.	7	30.17	86	84	79	"	"	8
8			"	7	30.17	86	84	79	"	"	8
9			"	7	30.17	85	83	78	"	"	8
10			"	7	30.17	84	83	78	"	"	8
11			"	7	30.17	84	82	79	"	"	9
Mid.			"	1	30.17	82	81	78	"	air	9

under the command of Commander A. S. Snow, U. S. Navy,

Wednesday July 30th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.
Overcast and Cloudy, clearing during last hour, Light to gentle breeze from N. E. N. and West.

J. H. Hetherington
Ensign U.S.N.

4 to 8 AM.
Fair and warm, Light to gentle breeze from West.

J. H. Hetherington
Ensign U.S.N.

8 AM to Meridian
Clear and pleasant, Light and gentle breezes from West to N. E. N. at 9.30 mustered at quarters and drilled the divisions as per routine, Lieut. C. K. Curtis left ship on three (3) days leave of absence, Lieut J. T. Newton (junior grade) returned from leave of absence.

D. W. Watson
Ensign U.S.N.

Meridian to 4 P. M.
Clear and pleasant, Light breeze from West at 1.15 made Inlet #826 Vermont answered 90 #; furled sail, Patk. Dougherty (p.w.) was brought on board to fill vacancy in Marine guard. Transferred general court martial prisoners Thos. Greenhalgh (Ck) and L. Waters (Lds) to Barton Navy Yard by order of Commandant of Navy Yard, New York, L. Waters (ships writer) was diserated to Landsman.

D. W. Watson
Ensign U.S.N.

4 to 8 P.M.
Clear and warm, Light breeze from West to S. W.

J. H. Hetherington
Ensign U.S.N.

8 P.M. to Midnight.
Clear and warm, Light breeze from S. W.

J. H. Hetherington
Ensign U.S.N.

Examined and found to be correct.

C. K. Curtis
Lieut & Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

Navy Yard New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	Air, Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1					West	2			30.16	81	80	77		bc	cir	6	
2					"	2			30.16	81	80	76		"	"	6	
3					N. W. N	1			30.16	81	80	76		oc	circum	0	
4					"	1			30.16	80	79	76		"	"	0	
5					West	1			30.15	80	78	75		bc	"	1	
6					"	2			30.15	79	78	75		"	"	2	
7					"	2			30.15	78	78	75		"	"	9	
8					"	2			30.14	79	79	75		"	"	9	
9					"	3			30.13	81	81	76		"	"	9	
10					"	3			30.13	82	82	76		"	"	9	
11					"	3			30.12	83	83	77		"	"	9	
Noon.					"	3			30.10	85	85	78		"	"	9	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 315 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1374 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.																	
1					West	3			30.09	87	86	78		bc	cir	7	7
2					"	3			30.07	89	87	79		"	"	7	
3					S. W.	3			30.05	89	88	79		"	"	8	
4					"	3			30.05	90	89	78		"	"	8	
5					N. S. W.	3			30.04	90	89	79		"	"	8	
6					"	2			30.04	89	88	81		bm	none	0	
7					"	2			30.03	88	87	80		"	"	0	
8					"	2			30.04	89	87	80		bc	Cum	9	
9					"	3			30.04	88	86	80		"	"	10	
10					"	2			30.03	87	86	79		"	"	10	
11					West	3			30.03	86	85	79		bcl	"	10	
Mid.					"	3			30.03	86	85	79		"	"	10	

under the command of Commander A. S. Snow, U. S. Navy,
Thursday July 21st, 1870.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and unteil 4 am.
Partially cloudy and warm, Light air and breezes from West to N. W. N.

D. McMoine
Ensign U. S. N.

4 to 8 am.
Cloudy first two hours clearing Light airs and breezes from West. Received in Pay Dept. 112 lbs fresh beef 112 lbs fresh vegetables 90 lbs fresh bread

D. McMoine
Ensign U.S.N.

8 am to Meridian
Clear and Lot. Gentle breeze from West. Commander Snow returned from leave, Ensign Field went on five days leave, The "Kearsarge" came into the ship. At 9.30 mustered at quarters and drilled according to routine.

Ralph T. Holman
Lieut U.S.N.

Meridian to 4 PM.
Clear and Lot, Gentle breeze from West backing to S. W.

Ralph T. Holman
Lieut U.S.N.

4 to 8 P.M.
Clear and pleasant, Light breeze from W. S. W. By order of Commanding officer Mr Lineky (Act.) was released from confinment, Sent a liberty party ashore Chief Engineer Ross went on leave of absence, C. F. P. Wiebart was rated as ships miter by order of commanding officer.

D. McMoine
Ensign U.S.N.

8 PM. to Midnight.
Clear and pleasant with lightning last part Light to Gentle breeze from W. S. W. and West.

D. McMoine
Ensign U.S.N.

Examined and found to be correct.

Le. K. Lunt
Lieut & Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

Navy Yard New York.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1					West	1			30.07	85	83	78		bcl	cis	7	
2					"	1			30.07	83	83	78		"	cicum	4	
3					"	1			30.07	81	82	77		be	"	4	
4					"	1			30.07	81	81	77		"	"	2	
5					N. W.	1			30.05	81	81	75		"	"	4	
6					"	1			30.05	81	81	76		"	"	7	
7					W. N. W.	1			30.05	81	81	76		"	"	8	
8					West	2			30.06	81	81	75		"	"	2	
9					W. N. W.	2			30.08	81	81	75		bcw	cum	8	
10					N. W	2			30.10	82	82	76		"	"	8	
11					"	2			30.11	83	82	77		"	"	5	
Noon.					"	1			30.12	83	83	77		"	"	5	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 300 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1072 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 159 " 760 "

P. M.								
1			N. N. E	2	30.12	84	84	78	be	cicum	3
2			"	2	30.13	84	84	79	"	"	3
3			"	2	30.12	84	84	79	"	"	6
4			"	2	30.12	84	84	79	"	"	8
5			East	2	30.12	84	84	79	"	"	2
6			S. S. E.	2	30.13	84	83	79	bcr	"	1
7			South	2	30.12	83	81	76	be	cicum Str.	1
8			"	1	30.16	82	79	76	oc	cumStr.	0
9			S. W.	1	30.17	81	79	75	be	cicum	1
10			"	1	30.17	81	79	75	"	"	1
11			N. N. W	1	30.17	80	79	75	"	"	1
Mid.			"	1	30.16	79	78	75	"	"	5

under the command of Commander, A. R. Broom, U. S. Navy,
Friday August 1st, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended 4 a.m.
Cloudy over, Light airs from West, Heat lightning in the N. W. first part.

Jno. W. Holman
Lieut. U.S.N.

4 to 8 a.m.
Fair, Hot. Light airs to light breeze from between West and N. W. Cleaning bilges.

Jno. W. Holman
Lieut. U.S.N.

8 a.m. to Meridian.
Clear and pleasant, misty, Light airs and light breezes from W. N. W. to North. Mustered at quarters at 9:30 Drilled infantry company. The commanding officer awarded the following punishments, H. A. Jones (O.W.) Confined on bread and water for three (3) days. A. Punt (apr.) 3 Class. W. Kinsler (M.A.) 4th " Class, Jas. Robinson (S. corp.) 4th Class, A. R. Broom and Jas. Callan, Extra duty for 15 hours. Alex Clark (2 C.F.) 4th Class, D. Broom, (Lds) 8 hours extra duty W. Griffin (BW) 15 hrs extra duty. R. J. Miller (Lds) 4 hours extra duty. A. Peratsky (apr.) 12 hours extra duty Lieut Hobbins, U. S. M. C. reported for duty. Tested Magazine and Gun cotton room flood cocks also life [illegible] ived in pay Dept [illegible] 70 lbs fresh bread

D. McStone
Ensign U.S.N.

8 P.M. to Midnight.
Cloudy, Clearing latter part. Light airs from S.W. veering to N.W.N. at end of watch barometer steady. D. Broom (Lds.) stood extra watch from 8 to 12 by order of Commanding officer

[illegible]-Light breeze from N.N.E. [illegible] detached from the ships [illegible] der of Commdg officer [illegible] officers appointed [illegible] rating were made [illegible] r. Cox) to Captain of [illegible] 90. Received on board [illegible] s, F.N. Vogel. from the [illegible] nd transfer papers. [illegible] late Capt Boyd U.S.N.

D. McStone
Ensign U.S.N.

4 to 8 P.M.
Cloudy or overcast, Light wind from Southward Bar. steady.

J. W. Holman
Lieut U.S.N.

Examined and found to be correct.

M. K. Lewis
Lieut & Navigator.

under the command of Commander, A. B. Brown, U. S. Navy,
Friday August 1st, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Cloudy over, Light airs from West, Heat lightning in the N.W. first part.

Jno. W. Holman
Lieut U.S.N.

4 to 8 A.M.
Fair, Hot. Light airs to light breeze from between West and N.W. Cleaning bilges.

Jno. W. Holman
Lieut U.S.N.

8 A.M. to Meridian.
Clear and pleasant, misty, Light airs and light breezes from W.N.W. to North. Mustered at quarters at 9:30 Drilled infantry company. The commanding officer awarded the following punishments, H. A. Jones (O.W.) Confined on bread and water for three (3) days. H. Punt (appr.) 3 Class. W. Kirsler (W.T.) 4th Class, Jas. Robinson (S. cook) 4th Class, A. R. Brown and Jas. Callan, Extra duty for 18 hours. Alex Clark (2 C.F.) 4th Class, D. Brown (Sds) 8 hours extra duty W. Griffin (B.W.) 18 hrs extra duty. R. J. Miller (Sds) 4 hours extra duty. A. Peralsky (appr.) 12 hours extra duty Lieut Haines, U.S.M.C. reported for duty. Tested Magazine and Gun cotton room flood cocks also life buoys. Finished cleaning bilges. Received in pay Dept 112½ lbs fresh Vgetables and Beef and 90 lbs fresh bread

D. M. Stone
Ensign U.S.N.

Meridian to 4 P.M.
Clear and pleasant, clouding last hour, Light breeze from N.N.E. and East. Lieut H. C. Fisher U.S.M.C. was detached from the ship his relief having reported on board. By order of Comndg officer and on the recommendation of the board of officers appointed for that purpose the following changes in rating were made B. Corrigan from Sea. to Coxswain, J. N. Spear (Cox) to Captain of Forecastle. to take effect from July 24th 1890. Received on board three Ordinary seamen, F. C. Neher, F. Worrman, F. N. Vogel. from the Vermont with their bags, Lammocks and transfer papers. sent Infantry company to funeral of late Capt Boyd U.S.A.

D. M. Stone
Ensign U.S.N.

4 to 8 P.M.
Cloudy or overcast, Light wind from Southard, Bar. steady.

Examined and found to be correct.

J. W. Holman
Lieut U.S.N.
M. K. Lewis
Lieut & Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

Navy Yard & New York.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1					N. E by E.	1			30.19	79	78	75		bc	cir cum	3	
2					East	2			30.19	79	77	75		"	"	6	
3					"	2			30.20	79	77	74		ocm	Nimbs	0	
4					E. N. E.	2			30.20	78	76	74		"	"	0	
5					East	1			30.21	77	76	74		ac	"	0	
6					E. N. E.	2			30.24	76	75	73		bc	cum nimb	1	
7					"	1			30.24	75	75	73		rc	"	0	
8					N. E.	1			30.25	75	74	72		ocm	None	0	
9					"	1			30.26	76	75	73		bc	Cum	1	
10					"	1			30.26	77	76	73		"	"	1	
11					"	1			30.27	77	77	74		"	"	2	
Noon.					"	1			30.28	79	78	75		"	"	2	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 339 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 735 "

Coal consumed during the preceding 24 hours, tons 40c lbs.

Coal remaining on hand at Noon, 158 " 2100 "

P. M.									
1			S. S. E.	2	30.28	80	79	76	bc	Cum cir	2
2			South	2	30.28	80	79	75	"	"	6
3			S. S. E	1	30.28	80	79	75	"	"	8
4			"	2	30.28	80	79	75	"	"	8
5			"	2	30.28	80	79	76	"	"	8
6			"	2	30.28	78	78	75	"	"	2
7			S. E	2	30.28	78	76	74	oc	Nimbs	0
8			"	2	30.28	79	76	74	"	"	0
9			"	1	30.30	80	76	74	bc	"	4
10			"	1	30.32	81	77	74	"	"	4
11			"	1	30.33	80	76	74	"	"	4
Mid.			"	1	30.33	79	76	73	"	"	4

under the command of Commander A. S. Snow, U. S. Navy,
Saturday August 2nd, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and unter 4 AM.

Partially cloudy and misty. Light airs and breeze from E. N. E. to East

D. McClone
Ensign U.S.N.

4 to 8 AM.

Overcast and cloudy Light airs and breezes from East and E. N. E. Received in Pay Dept. 112½ lbs fresh beef and vegetables. 90 lbs fresh bread.

D. McClone
Ensign U.S.N.

8 AM to Meridian.

Cloudy. Light airs from N. E. Barometer steady at 9:30 mustered at quarters no absentees. Patrick Lidlon (O.S) and Peter Casey (O.S) were discharged from the Naval service by order of the Bureau of Navigation, Lieut J. V. B. Beecker left the ship on three (3) days leave of absence, Lieut C. K. Curtis returned from leave.

J. N. Newton
Lieut U.S.N.

Meridian to 4 P.M.

Clear and warm, Light airs to light breeze from South to S.S.E. Served out monthly money. Discharged from the service on his own request Andrew Woode (Colo) sent liberty party ashore

J. W. Harrington
Ensign U.S.N.

4 to 8 P.M.

Mostly cloudy and warm, Light breezes from S.S.E. to S.E.

D. McClone
Ensign U.S.N.

8 P.M to Midnight.

Fair. Light airs and breezes from S.E. Lieut Milner returned from leave of absence, M. Griffin (BM) was found to be absent from ship without authority.

D. McClone
Ensign U.S.N.

Examined and found to be correct.

C. K. Curtis
Lieut & Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

Navy Yard New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1					South	1			30.37	79	75	73		fc.	circum	0	
2					"	1			30.37	78	75	73		"	"	0	
3					"	1			30.37	77	75	73		ocm	"	0	
4					"	1			30.37	77	74	73		ocd	cum nimb	0	
5					E. S. E.	1			30.33	76	74	73		"	Nimb	0	
6					East	1			30.33	75	75	73		"	"	0	
7					E. S. E.	1			30.33	76	74	73		ocm	"	0	
8					"	1			30.33	74	74	72		"	"	0	
9					S. E.	2			30.33	76	75	73		oc	"	0	
10					S. S. E.	1			30.33	76	75	73		"	"	0	
11					S E by E	1			30.33	76	75	73		"	"	0	
Noon.					S. S. E	2			30.33	76	75	73		"	cum nimb	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 325 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 410 "

Coal consumed during the preceding 24 hours, tons 40 lbs.

Coal remaining on hand at Noon, 158 " 1700 "

P. M.																	
1					S. S. E.	2			30.33	77	76	73		oc	cum nimb	0	
2					"	2			30.33	77	76	73		"	"	0	
3					S. S. W	2			30.32	77	76	73		"	"	0	
4					S. S. E.	2			30.31	76	75	73		"	"	0	
5					"	1			30.30	76	76	73		bc.	cum	4	
6					South	2			30.27	77	76	73		"	"	4	
7					"	2			30.29	78	76	73		oc.	"	0	
8					"	2			30.29	78	75	74		"	"	0	
9					"	2			30.29	79	76	74		"	cum nimb	0	
10					"	2			30.29	79	76	75		"	"	0	
11					"	2			30.29	79	76	75		bc.	cir cum	2	
Mid.					"	1			30.29	80	76	75		"	"	6	

under the command of Commander A. B. Snow, U. S. Navy,
Sunday August 3rd, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and unties Ham.
Overcast Light airs from South, Barometer steady, drizzling at end of watch.

J. J. Newton
Lieut U.S.N.

4 to 8 A.M.
Overcast drizzling first part, Light airs from Eastward barometer steady Received in Pay Dept 112½ lbs fresh beef 112½ lbs fresh vegetables, 90 lbs fresh bread, W. Linehey (CA.) was found to have left the ship without permission

J. J. Newton
Lieut U.S.N.

8 A.M. to Meridian,
Overcast and cloudy, Light airs to light breze from S.S.E. to S.E. at 9.30 inspected crew at quarters, at 10 general muster and read articles of war. The following absent without leave P. W. Johnson (ss) E. M. Carver (Steward) W. Griffin (Pr.) Wm Linehey (CA.) and Jere Moloney (CA) W. Ober (Drummer) and J. A. Callan (1st Capt) left church party and did not return to ship. Sent liberty party ashore.

J. D. Hetherington
Ensign U.S.N.

Meridian to 4 P.M.
Overcast and cloudy, Light breze from S.S.E and S.S.W Offered rewards of 10 dollars for return of each man absent without leave.

J. D. Hetherington
Ensign U.S.N.

4 to 8 P.M.
Overcast barometer steady Light airs to light breze from South, J. A. Callan (1st Capt) returned on board the ship. W. J. Ober (Drummer) was brought on board from the guard house where he had been confined, having left the church party without permission this a.m. Placed W. J. Ober under Sentry to await investigation for refusing to obey the order given by the Sergent of the guard on duty.

J. J. Newton
Lieut U.S.N.

8 P.M. to Midnight
Overcast & cloudy barometer steady, Light breze from South.

J. J. Newton
Lieut U.S.N.

Examined and found to be correct.

E. K. Lewis
Lieut & Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

Navy Yard New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	Air, Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1					South	1			30.29	79	76	75		be.	cirem	8	
2					"	1			30.28	79	76	75		"	"	8	
3					"	1			30.26	77	76	76		"	"	5	
4					"	1			30.26	77	76	74		"	"	8	
5					S. S. W	1			30.26	77	76	74		oe	mist	0	
6					S. W	1			30.26	77	76	74		bem	cum.	5	
7					"	2			30.27	77	76	74		"	"	1	
8					"	2			30.27	78	76	75		"	"	1	
9					"	2			30.27	77	77	75		oe	"	0	
10					"	2			30.27	78	78	76		"	"	0	
11					"	2			30.27	80	80	77		be	"	5	
Noon.					"	2			30.26	81	81	77		"		6	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 910 gallons.

Water during the preceding 24 hours, 3000 "

Water remaining on hand fit for use at Noon, 3100 "

Coal consumed during the preceding 24 hours, tons ~~400~~ lbs.

Coal remaining on hand at Noon, 158 " 1300 "

P. M.																	
1					S. S. E.	2			30.26	82	82	78		be.	cum	7	
2					"	2			30.26	82	82	78		"	"	8	
3					"	3			30.25	82	82	77		"	"	8	
4					"	3			30.23	82	82	77		"	cirem	8	
5					"	3			30.22	82	82	78		"	"	8	
6					"	3			30.22	81	81	78		"	"	8	
7					"	3			30.23	83	80	77		"	"	8	
8					"	3			30.24	84	79	76		"	"	8	
9					S. S. W	3			30.25	81	79	76		be	mist	10	
10					"	3			30.25	81	79	76		"	"	10	
11					"	3			30.26	80	78	76		"	"	10	
Mid.					"	3			30.26	79	78	76		"	"	10	

under the command of Commander A. S. Snow, U. S. Navy,

Monday August 4th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.

Clear and pleasant, light airs from South.

J. H. Hutchenson
Ensign U.S.N.

4 to 8 a.m.

Cloudy and pleasant, Light airs and light breeze from S.S.W. and S.W. Scrubbed clothes, Mr Lucky (CK) returned to the ship.

J. H. Hutchenson
Ensign U.S.N.

8 a.m. to Meridian

Overcast first two hours clearing last part; light breeze from S.W. Placed W. J. Otter (Armorer) in confinement on bread and water for five (5) days by order of Commanding Officer; also released H. A. Jones (Bkr) from confinement at 9:30 mustered at quarters, Exercised as per routine, The following men were absent from the ship without leave W. Griffin (BM) Jno Mahoney (CK) P. W. Johnson (OS) E. M. Carver (C. bugler) E. Edwards (oiler) watered the ship at 10:34 The U.S.S. Pensacola broke a Rear Admirals flag at the mizzen and fired a salute of 13 guns, followed by another salute of 13 guns to the Commandant of the yard, a salute of 13 guns was returned on the Cork docks. The commanding officer and wardroom officers made an official call on Rear Admiral McCann. Reid on board 10000 gals water

D. McKone
Ensign U.S.N.

Meridian to 4 P.M.

Clear and pleasant, Light to gentle breeze from S.S.E. W. Griffin returned on board ship. Asst Eng. O. W. Koester reported on board for duty on this ship.

D. McKone
Ensign U.S.N.

4 to 8 P.M.

Clear and hot. Light to gentle breeze from S.S.E. Sent a liberty party ashore.

Geo. F. Holman
Lieut U.S.N.

8 P.M. to Midnight

Clear and warm, Gentle breeze from S.S.E to S.S.W. Corporal Thomas U.S.M.C. left the ship without permission

Examined and found to be correct.

Geo. F. Holman
Lieut U.S.N.

W. K. Gunston Lieut & Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

Navy Yard New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1					South.	3			30.24	79	77	75		be	cir cum	9	
2					"	3			30.24	79	77	75		"	"	8	
3					S. W.	3			30.23	78	77	75		"	"	7	
4					"	3			30.23	78	77	75		"	"	4	
5					"	3			30.27	79	76	75		"	cir cum nimb	4	
6					"	3			30.27	76	76	74		"	"	1	
7					"	3			30.28	77	77	75		"	cir cum	3	
8					"	3			30.28	77	77	75		"	"	5	
9					S by W.	2			30.28	78	77	76		"	cum Str.	5	
10					S. W.	3			30.28	79	79	75		"	cir cum	2	
11					"	3			30.27	80	80	76		"	"	5	
Noon.					"	3			30.27	81	80	76		"	"	5	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 345 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2755 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 158 " 900 "

P. M.											
1				S. S. W.	3	30.26	81	81	77	be	cum	5
2				South.	4	30.25	81	81	77	"	"	8
3				"	4	30.24	81	81	76	"	"	8
4				"	4	30.24	81	81	76	"	"	8
5				"	4	30.24	80	80	76	"	"	8
6				"	3	30.24	79	79	76	"	"	6
7				"	3	30.23	80	79	76	"	"	6
8				"	3	30.23	80	78	76	"	"	6
9				"	3	30.23	80	77	75	"	cum	7
10				"	3	30.23	79	77	75	"	"	4
11				"	3	30.23	79	78	75	"	"	6
Mid.				"	3	30.23	79	78	75	"	"	5

under the command of Commander A. S. Snow, U. S. Navy,
Tuesday August 5th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended 4 a.m.
Mostly clear and pleasant. Gentle breeze from South to S.W.

D. McBlone
Ensign U.S.N.

4 to 8 a.m.
Partially cloudy. Gentle breeze from S.W. P. J. Connelly was found to be absent from the ship without leave. Received on board 112½ lbs fresh beef and vegetables and 86 lbs bread in Pay department. Ensign Fields returned from leave.

D. McBlone
Ensign U.S.N.

8 a.m. to Meridian
Clear and warm, Light to gentle breeze from S by W. to S.W. At 9:30 mustered at quarters, absentees J. Maloney (CM) G. W. Johnson (O.S.) E. W. Carver (5 Buglar) E. Edwards (oiler) A. E. Durand (Asst Yeo) W. H. Lynch (P.M.) P. J. Conley (Fds) and L. Thomas (Corporal U.S.M.C. Drilled the division according to routine

Capt. F. W. Holman
Lieut U.S.N.

Meridian to 4 P.M.
Clear and warm, Gentle to moderate breeze from S.W. to South. By order of the Commanding Officer the following men were declared deserters, J. Maloney (C.M.) P. J. Conley (Fds) L. Thomas Corporal U.S.M.C. Lieut Bleecker returned from leave.

F. W. Holman
Lieut U.S.N.

4 to 8 P.M.
Clear and pleasant, Moderate and gentle breezes from South. Sent a liberty party ashore.

D. McBlone
Ensign U.S.N.

8 P.M. to Midnight
Partially cloudy, Gentle breeze from South.

D. McBlone
Ensign U.S.N.

Examined and found to be correct.

C. K. Lewis
Lieut & Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

Navy Yard. New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1					South.	3			30.23	78	78	75		be	Cum	4	
2					S. W.	3			30.21	77	78	75		oc	"	0	
3					"	3			30.20	78	78	75		"	Cum & Strat	0	
4					"	3			30.19	77	77	75		"	"	0	
5					"	3			30.20	77	77	75		"	"	0	
6					"	3			30.20	77	77	75		"	"	0	
7					W. S. W.	3			30.20	77	77	75		oc	"	0	
8					S. W.	2			30.20	75	77	75		"	"	0	
9					S. W.	2			30.21	75	77	75		"	Cum "	0	
10					"	2			30.21	77	78	74		be	Cir Cum	2	
11					"	2			30.21	78	78	76		"	"	6	
Noon.					S. W by S.	2			30.21	78	78	74		"	"	6	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 360 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 7395 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 158 " 500. "

P. M.																	
1					S. W.	2			30.20	80	79	74		be	Cir Cum	7	
2					"	2			30.19	81	80	74		"	"	7	
3					"	2			30.19	81	81	74		"	"	4	
4					"	2			30.18	82	81	74		"	"	4	
5					W. S. W.	2			30.18	81	81	73		"	"	2	
6					W. S. W.	2			30.19	81	81	73		"	"	4	
7					S. S. W.	1			30.19	82	81	74		"	"	5	
8					"	1			30.19	83	80	74		"	"	8	
9					S. W.	1			30.20	83	80	74		"	"	9	
10					"	2			30.20	82	80	74		"	"	8	
11					W. S. W.	2			30.20	81	79	74		"	"	8	
Mid.					"	2			30.20	80	78	73		"	"	8	

under the command of Commander A. S. Snow, U. S. Navy,
Wednesday August 6th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Cloudy and Gentle breeze from South backing to S.W.

Hugh McCollum
Lieut U.S.N.

4 to 8 A.M.
Overcast, Light passing showers latter part, Light breeze from N.E. N and S.W. The Yorktown hauled out of the dry dock.

Hugh McCollum
Lieut U.S.N.

8 A.M. to Meridian.
Pleasant weather, passing showers first hour. Light breeze from S.W. At 9:30 inspected at quarters and dressed as per routine, The following men absent without leave, P.M. Johnson (OS) E.M. Carter (Engr) A.E. Durand (Jr F D) Jno Larson (Sea) Fred McCoy (Lds) E. Edwards (Oiler) D.H. Lynch (P.M.) Recd 1 set tow rope, 2 Palms, 40 lbs. Wax 8 Lantern Globes 3 D.D. Lantern globes, 12 Lard oil burners, 4 Manhattan burners 3 Lbs Spun nicking, 1 gross woven nicking, 1 Hatch hood. in Equipment Dept. 2 Boat hooks 6 Iron Locks in construction Dept.

H.H. Hume
Lieut U.S.N.

Meridian to 4 P.M.
Partly Cloudy, warm and pleasant, Light breeze from S.W.

H.H. Hume
Lieut U.S.N.

4 to 8 P.M.
Warm and pleasant, Light airs and light breze from S.S.W. to W.N.W. U.S.S. Kearsarge towed out and hauled ahead of the Vermont.

J.W. Huntington
Ensign U.S.N.

8 P.M. to Midnight.
Clear and pleasant, Light airs and light breezes from S.W. to W.S.W.

J.W. Huntington
Ensign U.S.N.

Examined and found to be correct.

Le. K. Lewis
Lieut & Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

Navy Yard New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1					N. S. W	1			30.20	79	78	73		bc	cir cum	8	
2					"	1			30.20	79	78	73		"	"	8	
3					"	1			30.20	78	77	71		"	"	8	
4					"	1			30.20	77	76	70		"	"	8	
5					N. N. W	1			30.20	76	75	70		"	cirsti.	8	
6					North	1			30.21	74	74	69		"	"	7	
7					"	1			30.22	75	75	70		"	"	8	
8					"	1			30.22	76	76	71		"	Cirus	8	
9					Calm	0			30.22	78	78	72		bw	none	10	
10					"	0			30.23	78	78	77		"	"	10	
11					South	2			30.23	79	79	71		bc	cir cum	6	
Noon.					"	2			30.23	80	79	71		"	"	6	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 375 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2020 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 158 " 100 "

P. M.								
1		N. W.	2	30.22	80	80	71	bc	cir cum	6
2		"	2	30.21	80	81	73	"	"	6
3		N. N. W	2	30.20	80	81	73	"	"	6
4		S. E.	2	30.20	81	81	73	"	"	6
5		South.	2	30.20	80	80	74	"	"	6
6		"	2	30.20	80	80	74	"	"	6
7		"	2	30.20	81	79	74	"	"	6
8		"	1	30.20	81	79	73	"	"	6
9		"	1	30.22	82	78	74	b	None	10
10		"	1	30.22	81	78	74	"	"	10
11		S. S. E.	1	30.22	81	78	74	"	"	10
Mid.		S. E.	1	30.21	81	77	74	bc.	cir Str.	8

under the command of Commander A. S. Snow, U. S. Navy,
Thursday August 7th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Clear and pleasant, Brig't moonlight. Light airs
[illegible] low to and 43 Lbs

F. H. Holden
Lieut U.S.N.

4 A.M. to Meridian.
The following punishments were adjudged by the Commanding officer.
J. A. Callan (1st Capt) Leaving church party without permission and not returning until about 6 P.M. 48 hrs Extra duty and 3 days bread and water in cell.
Wm Lynch (C.T.) Leaving ship without permission 5 days bread and water with Callan in cell and 4th Class from Aug 7th.
Michael Griffin (P.M.) Leaving ship without permission 5 days bread and water in cell after Callan and Lynch are out.
Chas. Godwin (Lds) Questioning the authority of the officer of the deck on the execution of his duty. 1 night watch.
J. A. Callan (1 Capt) Carelessness, breaking stove in 1st Cutter. 12 hrs Extra duty.
D. A. Lynch. (P.M.) 42 hours overtime. 4th Class 3 months.
E. M. Carver (Bugler) 3 days 12½ hrs overtime, 4th Class 3 months.
A. E. Durand (Jr duck) 50 hours overtime. 4th Class 3 months.

w S.S.W. to North.
tables, and 84 lbs

F. H. Holden
Lieut U.S.N.

from South.
returned 50 hours
— Absent overtime
Larsen (Sea) F. McCoy.
try. 2nd Div. Great Guns.
Single sticks.
returned aboard
me in and anchored

J. T. Newton
Lieut U.S.N.

steady - light variable
lbs Sperm Oil, 50 Gals
4 lbs Portland
Charcoal, 2 yards

J. T. Newton
Lieut U.S.N.

ly, light breeze from

J. T. Newton
Lieut U.S.N.

8 P.M. to Midnight.
Clear and pleasant weather, Light airs from South to S.E. Jno Mahoney (Sea) a deserter from this ship returned on board.

F. H. Holden
Lieut U.S.N.

Examined and found to be correct.

Le K. Lewis
Lieut - Navigator.

under the command of Commander A. S. Snow, U. S. Navy,
Thursday August 7th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and ends 4 a.m.
Clear and pleasant, Bright moonlight. Light airs from W. S. W. D. N. Lynch (P.A.) returned on board 4 3 hours overtime

F. F. Wilder
Lieut U.S.N.

4 to 8 a.m.
Clear and warm, Light airs from S. S. W. to North. Received 92½ lbs fresh beef, 105 lbs vegetables, and 84 lbs fresh bread, in Pay Dept.

F. F. Wilder
Lieut U.S.N.

8 am to Meridian.
Sultry, Calms and light breeze from South. barometer steady. A. E. Durand (Jr.) returned 50 hours overtime. at 9.30 mustered at quarters, Absent overtime P. M. Johnson (O.S.) C. Edwards (Oiler) J. Larsen (Sea) F. McCoy. (Lds) Drilled as follows 1st Div. Infantry. 2nd Div. Great Guns. 3rd Div. Single Sticks, Navigators, Div. Single sticks. Powder Div. Infantry. J. Larsen (Sea) returned aboard 2 hrs overtime, The U.S.S. Boston came in and anchored off the Vermont.

J. T. Newton
Lieut U.S.N.

Meridian to 4 P.M.
Clear and pleasant, barometer steady - light variable wind, Received fm Engineers Dept. 150 Gals. Sperm Oil, 50 Gals. Cylinder Oil, 12 Iron stud bolts - 1" x 4" - 4 lbs Portland cement. 1 Screw jack, 5" x 15" 4 bushels Charcoal, 2 yards flat matting 2" wide. 1 Log slate.

J. T. Newton
Lieut U.S.N.

4 to 8 P.M.
Clear and pleasant, barometer steady, light breeze from South.

J. T. Newton
Lieut U.S.N.

8 P.M. to Midnight.
Clear and pleasant weather, Light airs from South to S. E. Jim Mahoney (O.S.) a deserter from this ship returned on board.

F. F. Wilder
Lieut U.S.N.

Examined and found to be correct.

Le K. Lewis
Lieut - Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

Navy Yard New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				moored to Dock	Calm	0			30.22	80	76	74		bc	cir cum	3	
2				dock, Navy Yard	N. N. E.	1			30.22	79	76	73		"	"	8	
3					"	1			30.22	79	76	73		"	"	8	
4					E. N. E	1			30.21	78	75	72		"	"	4	
5					"	1			30.20	77	74	72		"	cir cum Str.	1	
6					"	1			30.21	76	73	72		ocm	cir cum	0	
7					"	1			30.21	76	73	72		"	"	0	
8					East	1			30.21	75	72	71		"	"	0	
9					S. E. by E	2			30.21	76	74	72		oc	"	0	
10					"	2			30.22	76	75	73		"	"	0	
11					"	2			30.22	79	76	73		ocr	none	0	
Noon.					"	2			30.21	77	76	73		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 495 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1525 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 157 " 1940 "

P. M.														
1				S. E.	3			30.20	77	76	73	ocd	Cum Nimb	0
2				"	2			30.20	77	76	73	"	"	0
3				"	2			30.19	76	76	73	ocr	"	0
4				East	2			30.18	76	76	73	"	"	0
5				S. E.	2			30.17	76	75	73	oc	"	0
6				E. S. E.	2			30.17	75	75	72	"	"	0
7				"	2			30.17	78	75	72	"	"	0
8				"	2			30.18	78	75	72	"	"	0
9				S. E by E.	1			30.17	78	75	72	"	"	0
10				"	1			30.16	78	76	73	"	"	0
11				"	1			30.15	79	76	73	"	"	0
Mid.				"	1			30.13	79	76	73	"	"	0

under the command of Commander A. S. Snow, U. S. Navy,

Friday August 8th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.

Clear and pleasant, barometer steady - calms and light airs from Std and Ed.

J. T. Newton
Lieut U.S.N.

4 to 8 AM.

Overcast, Light airs from E. by E. and East. Barometer steady. Cleaned bilges.

J. T. Newton
Lieut U.S.N.

8 AM. to Meridian.

Overcast and cloudy, Light breeze from S.E and East. Mustered divisions at quarters at 9:30, and exercised the divisions at Company drill. The following men were absent from ship without leave, P. W. Johnson (O) E. Edwards (oiler) Fred McCoy (Lds) Tested magazine flood cocks and Life buoys found them in working order. Jos Mahoney was restored to duty by order of Comdg. Officer.

C. McIlvaine
Ensign U.S.N.

Meridian to 4 P.M.

Overcast and cloudy with light rain, Light and gentle breezes from S.E. A. W. Jones (P.Bm) was transferred to the Marine barracks with Bag Hammock and transfer papers. T. J. Wright (S.A. 2dC) James McKinnon (Sea) Edward Stein (OS) E. J. Tyrrell (OS) Frank Scrogie (Cds) Geo Bradford (CK) were brought on board with Bags, Hammocks and transfer papers Received stores in Pay Department.

C. McIlvaine
Ensign, U. S. N.

4 to 8 P.M.

Overcast. light breeze from Sd and Ed. Barometer steady, Stedunato Masuda (Lds) was transferred to this ship from Vermont.

J. T. Newton
Lieut U. S. N.

8 P.M. to Midnight.

Overcast, Light airs from S.E by E. Barometer steady

J. T. Newton
Lieut U. S. N

Examined and found to be correct.

L. K. Lewis
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate,

Navy Yard. New York.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1					East	1			30.12	77	74	71		Clear	Cumulus rising	0	
2					E. by E.	1			30.10	76	74	71		"	"	0	
3					"	1			30.10	75	73	72		"	"	0	
4					E.	2			30.09	75	73	72		"	"	0	
5					"	2			30.06	74	73	71		Clear	Nimbus	0	
6					"	2			30.06	74	73	71		Clear	"	0	
7					"	2			30.07	72	72	71		"	"	0	
8					"	2			30.07	72	72	71		"	"	0	
9					"	3			30.09	70	72	71		Clear	Cumulus rising	0	
10					"	3			30.05	71	72	71		"	"	0	
11					E. by E.	4			30.04	72	72	71		"	"	0	
Noon.					"	2			30.04	72	72	70		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.:
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.:
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 410 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1115 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.								
1		N. N. E.	4	30.04	72	73	71	Clear Nimbus
2		"	4	30.03	73	73	71	" "
3		"	4	30.02	73	73	71	" "
4		"	2	30.01	73	73	71	" "
5		N. E.	2	30.00	73	73	71	Clear Str
6		East	1	30.00	73	72	70	Cir Cum
7		E. S. E.	1	29.99	74	72	70	" "
8		"	1	29.99	75	73	71	" "
9		"	1	30.00	76	72	71	" "
10		S. E.	1	30.00	76	72	71	Clear Nimbus
11		S. E. by S.	1	29.99	76	72	71	" "
Mid.		South	1	29.99	76	72	71	" "

under the command of Commander A. S. Snow, U. S. Navy,

Saturday August 9th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 AM.
Overcast, Cloudy and misty, Light airs and breezes from East to North East.

W. P. Stone
Ensign U. S. N

4 to 8 AM.
Overcast and cloudy with light rain, Light breeze from N.E. Executed morning orders, Received in Pay Dept. 116 lbs fresh beef and vegetables, and 93 lbs fresh bread.

W. P. Stone
Ensign U. S. N.

8 AM. to Meridian,
Overcast and cloudy. Gentle breeze from N.E to moderate breeze from N. N. E. mustered at quarters and the following men were absent without leave P. M. Johnson (55) E. Edwards (6 hrs) and F. McCoy (6 hrs) Released from confinement M. Ober (drummer) and confined J. A. Callan, for 3 days bread and water in cell. according to punishment given by Commanding officer on Aug 7. Listed over the ship to Port and cleaned and painted copper on Starboard side.

W. Ry Wilson Field
Ensign U.S.N.

4 to 6 PM.
Overcast and cloudy, moderate to light breeze from N.E.C.

W Ry Wilson Field
Ensign U. S N.

4 to 6 PM.
Overcast and misty, light breeze from N.N.E. and light airs from East At 4:10 the U. S Flagship Baltimore passed up the river flying the Presidents flag, Manned yard in company with other vessels in Navy Yard and passed marine guard, Pensacola signaled 5527.

W Ry Wilson Field.
Ensign U. S N.

6 to 8 PM.
Overcast, cloudy and misty first hour, clearing last part. Light airs from N.C. to E.S.E.

W. P. Stone
Ensign U. S. N.

8 P.M. to Midnight
Overcast and cloudy most of watch, Light airs from S.E to South. at 10: found that private Young the sentry on the gangway had deserted his post and left the ship without permission

Examined and found to be correct.

W. P. Stone
Ensign U. S. N

Le K. Lewis Lieut Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

Navy Yard New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1					Calm	0			29.98	76	73	72		oc	cum nmbs	0	
2					"	0			29.96	76	74	73		ocnl	"	0	
3					N.N.E	3			29.94	74	73	71		ocr	"	0	
4					"	1			29.92	75	72	71		ocnw	"	0	
5					E.S.E.	1			29.92	75	72	70		be	cir cum Str.	1	
6					Calm	0			29.92	75	72	71		"	"	1	
7					"	0			29.92	75	73	72		"	"	1	
8					West	1			29.92	74	73	72		oc	"	0	
9					"	1			29.92	74	74	73		be	cir cum	4	
10					"	1			29.92	75	76	73		"	"	4	
11					"	1			29.91	76	76	73		bcm	"	6	
Noon.					"	1			29.90	78	77	73		"	"	6	
P. M.																	
1					S.W.	2			29.89	79	79	74		be	cir cum	4	
2					"	3			29.88	80	79	74		"	"	3	
3					South	1			29.87	79	78	75		ocnl.	cum nmbs	0	
4					E.S.E.	1			29.86	77	77	74		oc	"	0	
5					South	1			29.85	76	76	73		"	mid Str.	0	
6					"	1			29.85	75	76	73		be	cum Str.	2	
7					"	1			29.86	76	76	72		"	"	1	
8					S.S.W.	3			29.87	76	76	70		"	"	1	
9					"	3			29.88	75	75	69		ocm	cir cum	0	
10					"	3			29.89	73	73	67		bm	"	10	
11					"	3			29.89	72	73	67		b	"	10	
Mid.					N.N.W.	4			29.89	70	71	65		"	"	10	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 950 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 765 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 157 " 1140 "

under the command of Commander H. S. Knox, U. S. Navy,

Sunday August 10th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 a.m.

Overcast, heavy rain and lightening, Calms, Gentle breeze to light airs from S. S. E.

W Rg Mason Field.
Ensign U. S. N.

4 to 8 a.m.

Clearing up, Calms and variable light airs, Read on board for use of crew 115 lbs beef. 115 lbs vegetables 92 lbs bread, Listed over ship to Starboard and painted copper on Port side.

W Rg Mason Field.
Ensign U. S. N.

8 am to Meridian

Fair and pleasant, Light airs from West at 9.30 mustered and inspected crew at quarters, The following men absent without leave P. M. Johnson (O.S.) E. Edwards (Oiler) Fred McCoy. (Lds) H. G. Young (BM.) at 10 Commanding Officer inspected crew and ship. Sent Church party

J. W. Hetherington
Ensign U. S. N.

Meridian to 4 P.M.

Cloudy, Overcast with thunder, lightening and rain during last half. Light airs to Gentle breezes from S.W. to E.S.E.

J. W. Hetherington
Ensign U.S.N.

4 to 8 P.M.

Overcast, then clearing, Light airs from North.

W Rg Mason Field.
Ensign U. S. N.

8 P.M. to Midnight.

Fine pleasant weather, Gentle breeze from S. W. W

Lieut U. S. N.

Examined and found to be correct.

Le. K. Lewis
Lieut., Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

Navy Yard New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.					S. S. W.	4			29.88	70	70	64		fr	Cum Mindy	10	
1					"	3			29.88	69	69	64		4	"	10	
2					"	3			29.88	68	68	62		"	4	10	
3					"	3			29.88	67	67	62		"	4	10	
4					"	3			29.88	65	67	62		fr	4	8	
5					S. W.	3			29.90	64	66	62		"	"	9	
6					"	3			29.91	64	66	61		"	"	9	
7					"	3			29.92	64	66	61		"	4	9	
8					S. S. W.	4			29.92	67	67	62		"	"	8	
9					S. W by W.	4			29.92	68	68	63		"	1	7	
10					S. W	3			29.93	69	70	64		"	4	4	
11					"	2			29.93	70	70	64		"	"	4	
Noon.					"	2											

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 340 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 425 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 157 " 740 "

P. M.								
1	S. W.	2	29.94	70	70	64	Clr	Cum	0
2	S. S. W.	2	29.95	70	71	65	"	"	0
3	South	3	29.96	69	68	63	"	"	0
4	S. S. W	3	29.97	69	69	64	"	"	0
5	"	3	29.98	69	69	64	Clr	Clr Cum	3
6	"	3	29.99	69	68	63	"	"	3
7	South.	3	30.00	68	68	62	"	"	3
8	S. S. W	3	30.03	68	68	61	"	"	2
9	"	3	30.04	74	68	64	"	"	2
10	"	3	30.05	75	68	64	"	"	1
11	"	3	30.05	74	68	64	"	"	1
Mid.	"	1	30.05	74	68	64	"	"	1

under the command of Commander H. S. Snow, U. S. Navy,
Monday August 11th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.
Clear and pleasant, Gentle to moderate breeze from N. N. W.

J. H. Hetherington
Ensign U. S. N.

4 to 8 AM.
Clear and cool, Gentle to moderate breeze from N. W. and N. N. W. Barometer rising, E. Edwards (Oiler) returned on board from days ashore.

J. H. Hetherington
Ensign U. S. N.

8 AM to Meridian
Clear and pleasant, Moderate to light breeze from N. N. W to West At 8.50 made signal Int 5 to 5. At 9 loosed sail to a buntline At 930 mustered at quarters - absentees - P. M. Johnson (O. S.) Fred'k McCoy (Lds) and H. G. Young (Lds) By order of the Commanding Officer Fred'k McCoy (Lds) and H. G. Young (P. M.) were declared deserters from this date. Drilled the battalion ashore by companies. The following punishments were adjudged by the Captain, reduction to the ship, without leave, the punishment and A. B. Anderson Thomas Shields (Pm.) from the Marine Barracks, Engaged in

Geo. F. W. Holman
Lieut U. S. M.

Meridian to 4 P. M.
Clear, Light to gentle breeze from North to N. W. at 2.15 made signal Int 4826 Aloft. 90 & Furled sail, Received from the Vermont with Transfer papers Rumbeau Austin (Lds) and Daniel Parker (Lds) Blacking ship outside. Received from hydrant ashore for the boilers 6000 gallons fresh water

Geo. F. W. Holman
Lieut U. S. M.

4 to 8 P. M. Cloudy & pleasant, Gentle breeze from N. N. W & North. Barometer rising
Received from hydrant ashore in the ships tanks 1900 gallons fresh water, Private Jno B. Load U. S. M. C. was transferred to this ship from the Marine Barracks with Bag, Hammock and Transfer papers, Secured the ship for steaming trip tomorrow

Examined and found to be correct.

J. H. Hetherington
Ensign U. S. N.

Lee K. Lewis Navigator.
Lieut

under the command of Commander H. S. Snow, U. S. Navy,
Monday August 11th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 am.
Clear and pleasant, Gentle to moderate breeze from N. N. W.

J. H. Hetherington
Ensign U. S. N.

4 to 8 am.
Clear and cool, Gentle to moderate breeze from N. W. and N. N. W. Barometer rising, E. Edwards (Oiler) returned on board 7 days overtime.

J. H. Hetherington
Ensign U. S. N.

8 am to Meridian
Clear and pleasant, Moderate to light breeze from N. N. W to West. At 8.50 made signal Int 5455. At 9 loosed sail to a buntline At 930 mustered at quarters - Absentees - P. M. Johnson (C.S.) Fred'k Mc Coy (Lds) and H. G. Young (Lds) By order of the Commanding Officer Fredk Mc Coy (Lds) and H. G. Young (Bm) were declared deserters from this date. Drilled the battalion ashore by companies, The following punishments were adjudged by the Commanding Officer Jno Larsen (Sea), 7 hrs overtime, reduction to 4th Class for 3 months; E. Edwards (oiler) 7 days overtime, reduction to 4th class for 3 months, Jere Maloney (C.A.), leaving the ship without permission, 5 days in brig on bread and water, the punishment to be inflicted when the brig is clear, Transferred A. B. Anderson (Pvt) to the Marine Barracks to be discharged. Thomas Shields (Bm.) and John McComb (P.M.) were received aboard from the Marine Barracks with Bags. Hammocks and transfer papers, Engaged in blacking ship outside.

Geo. F. Holcman
Lieut U.S.N.

Meridian to 4 P.M.
Clouding over, Light to gentle breeze from North to N. W. at 2.15 made signal Int 4826 Aloud. 90 At Hauled sail, Received from the Vermont with Transfer papers Reuben Austin (Lds) and Daniel Parker (Lds) Blacking ship outside. Received from hydrant ashore for the boilers 6000 gallons fresh water

Geo. F. Holcman
Lieut U.S.N.

4 to 8 P.M. Cloudy & pleasant Gentle breeze from N. N. W & North. Barometer rising
Received from hydrant ashore in the ships tanks 1900 gallons fresh water, Private Jno B. Load U.S.M.C. was transferred to this ship from the Marine Barracks with Bag, Hammock and transfer papers Secured the ships for steaming trip tomorrow

Examined and found to be correct.

J. H. Hetherington
Ensign U. S. N
Navigator.
Lieut

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

Navy Yard New York.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	Air, Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.					North.	2			30.07	74	68	64		oc	Cir Cum	0	
1					"	2			30.07	74	68	64		"	"	0	
2					"	3			30.07	73	68	64		"	"	0	
3					"	4			30.07	73	68	64		"	"	0	
4					N. E.	3			30.07	72	67	64		Oc.	Cir Str.	2	
5					N. N. E.	3			30.09	71	67	62		"	"	1	
6					"	3			30.10	71	67	63		"	"	1	
7					"	4			30.11	70	67	62		"	Cir Cum Nimb	1	
8					"	3			30.13	70	69	65		"	Cir Cum	3	
9					"	3			30.16	70	70	66		"	"	2	
10					"	3			30.18	72	72	67		"	"	6	
11					"	3			30.17	72	72	67		"	"	6	
Noon.																	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 345 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1980 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.											
1		E. N. E.	3	30.17	72	73	68	68	Cir Cum		5
2		"	3	30.17	74	74	68	"	"		4
3		"	3	30.17	74	74	69	"	"		4
4		"	3	30.17	74	74	69	"	"		4
5		N. E.	3	30.17	74	74	69	"	"		2
6		E. N. E.	2	30.18	73	73	68	"	"		2
7		"	2	30.19	75	72	68	"	"		4
8		"	2	30.20	73	71	67	"	"		9
9		"	2	30.20	72	71	68	"	"		6
10		N. E.	2	30.20	70	71	67	"	"		6
11		"	3	30.20	67	70	66	"	"		6
Mid.		"	3	30.20	66	70	66	"	"		8

under the command of Commander A. S. Snow, U. S. Navy,
Tuesday August 12th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 AM.
Overcast, Cool, Light to moderate breeze from North.

Jno. F. Hobson
Lieut U. S. N.

4 to 8. AM.
Cloudy, Gentle breeze from North to N.E. At 4 started fires under port forward boiler. At 5.30 sent down top gallant yards. Painting white stripe along water line. Set up backstays. Received aboard for use of crew 116# lbs each fresh beef and Vegetables and 93 lbs Bread.

Jno. F. Hobson
Lieut U. S. N.

8 AM to Meridian
Partly cloudy, pleasant weather, Gentle breeze from N.N.E. Mustered at quarters at 9.30. and exercised. as per routine. P. M. Johnson (O.S.) absent without leave.
J. A. Callan (apf) was released from confinement by order of Commanding officer and Wm Linely (O.S.) was confined in cell for five days on bread and water by order of Commanding officer for leaving the ship without permission at 8.40 turned engines over to try valve gear on high pressure engine at 10.30 banked fires.

F. H. Wilcox
Lieut U. S. N.

Meridian to 4 PM.
Cloudy and pleasant, barometer steady, gentle breeze from N. N. E. and E. N. E. Rear Admiral Wm. Evans visited the Commanding officer, Commenced coaling at 2.45 finished at 3.30. having received 5 110/2240 tons, Received from the Vermont. A. O. Larson (O.S) and Benj F. Bailey (Ord.).

J. T. Newton
Lieut U. S. N.

4 to 8 P.M.
Partly cloudy pleasant weather, Gentle to light breeze from E. N. E. Received from Marine Barracks, League Island Corporal W. F. Lane U. S. M. C. The U. S. S. Philadelphia came in from the S'd.

F. H. Wilcox
Lieut U. S. N.

8 P.M. to Midnight.
Clear and pleasant, barometer steady. gentle breeze from N. E. Chas Falconer (Mach.) absent. overstaying liberty ashore.

Examined and found to be correct.

J. T. Newton
Lieut U. S. N.

Le K. Lewis
Lieut
Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

Navy Yard, New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1					N. E.	3			30.21	70	69	65		bc	cir cum	8	
2					"	3			30.21	69	68	65		"	"	3	
3					"	3			30.22	69	68	65		"	"	5	
4					"	3			30.22	68	67	65		"	cum Str.	8	
5					N. N. E	3			30.20	65	65	65		"	cum Str	8	
6					"	3			30.20	66	65	63		bc	cir Str	0	
7					"	3			30.20	66	65	63		"	cum rain	0	
8					"	3			30.21	67	66	63		bc	"	0	
9					N. E.	2			30.22	68	66	65		bc	"	0	
10					"	2			30.21	69	68	65		"	cum Str.	0	
11					N. N. E	2			30.21	69	69	66		"	"	0	
Noon.					"	2			30.21	70	70	67		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 328 gallons.

Water during the preceding 24 hours, 1548 "

Water remaining on hand fit for use at Noon, 9200 "

Coal consumed during the preceding 24 hours, 2 tons 50 lbs.

Coal remaining on hand at Noon, 159 " 2000 "

P. M.										
1			N. N. E	2	30.21	72	72	68	cir cum	4
2			"	2	30.21	72	72	68	"	4
3			N. E.	2	30.19	72	73	69	"	1
4			E. N. E.	3	30.19	71	72	68	"	4
5			E by N.	3	30.18	72	72	68	cir Str.	1
6			"	3	30.18	72	71	68	bcr	2
7			"	3	30.18	75	71	68	"	2
8			"	3	30.19	76	72	68	bc	2
9	Ebb.	E. 0.0 S. 3.0 S. 2.0	North	U. E.	1	30.18	75	72	68	"	0
10		"	U. N. E.	2	30.18	75	72	69	cir cum	4
11		"	N. E	3	30.17	74	71	68	"	6
Mid.		"	"	2	30.17	74	71	68	"	9

under the command of Commander A. S. Snow, U. S. Navy,
Wednesday August 13th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.
Fair and pleasant, Gentle breeze from N.E.

J. H. Hetherington
Ensign U.S.N.

4 to 8 AM.
Cloudy and rain Gentle breeze from N. N. E. Ships draught after coaling, Aft. 16' 10" Amid. 15' 9" and forward. 14' 1".

Lieut U.S.N.

8 AM to Meridian,
Overcast- light breeze from N.E. and N.N.E. Barometer steady. At 9:45 mustered at quarters, Absent without leave Chas Falconer (Mach.) Receiving provisions and making preparations for sea. Started fires under two boilers. Housed top gallant masts. Received 1548 Gals. water.

J. T. Newton
Lieut U.S.N.

Meridian to 4 P.M.
Cloudy and pleasant, Light to gentle breezes from N.N.E. to E.N.E. At 1:30 called all hands commence ship, At 1:35 cast off from dock with tug 'Catalpa' alongside and steamed down East River and Upper bay. At 2:07 sent up top gallant masts. At 2:50 the tug cast off. At 3:08 anchored off Tompkinsville Staten Island in 7 fathoms water with 30 fathoms on Port chain Bearings of Anchorage Flag staff L.H. Station p.c. N.W. 3/4 W. Robbins Reef Lt. p.c. N by E. 1/2 E. Lowered Steam Launch, Received from Receiving ship Vermont Thos Hopkins (Lds). Dreland C. T. Falconer (Mach) a deserter from this vessel and the Naval service from this date. Ships draught forward 14' 1" Amid 14' 9" aft 16' 5"

J. H. Hetherington
Ensign U.S.N.

4 to 8 PM.
Cloudy. Barometer steady Gentle breeze from E by N and E.N.E. Hauled fires. D. Brown (Lds) and W. C. Gordon (Lds) were discharged from the U.S. Naval service.

J. T. Newton
Lieut U.S.N.

8 PM to Midnight
Overcast Cloudy during first part then clearing, Light airs to gentle breeze from N.E. and N.N.E. Commenced swinging to Ebb tide at 8 O'Clock and finished swinging at nine.

J. H. Hetherington
Ensign U.S.N.

Examined and found to be correct.

Lieut & Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

At anchor off Tompkinsville Staten Island.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N by W.	N. W.	2			30. 17	76	71	68		bc	cir cum	4	
2				"	"	1			30. 16	75	71	68		"	"	8	
3	Flood.			S. E.	"	2			30. 16	74	70	68		"	"	9	
4			4.45 Flood	E. N. E.	N. N. W.	3			30. 13	73	70	68		"	"	8	
5				South	"	1			30. 13	70	69	67		"	cir cum str.	7	
6				"	"	1			30. 13	69	69	67		bcm	"	2	
7				S by W.	"	1			30. 13	69	69	67		"	"	2	
8	8	45		S. S. W.	"	1			30. 13	69	69	67		"	"	2	
9	Swinging				N. W.	1			30. 13	71	71	68		"	"	4	
10				N by W.	"	1			30. 13	71	72	68		"	cir cum.	4	
11				N by E.	S. S. E.	2			30. 13	72	72	69		bc	"	6	
Noon.				"	S. W.	2			30. 12	72	73	69		"	"	7	

Course and distance made good since preceding noon by observations; knots , tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 337 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2863 "

Coal consumed during the preceding 24 hours, tons 2080 lbs.

Coal remaining on hand at Noon, 158 " 2460 "

P. M.													
1	Flood	1.00	North	S. S. E.	3	30. 11	72	72	70	bcm	cum	8	
2		1.30	S. E by S.	"	3	30. 09	72	72	71	"	cir cum	6	
3		2.00	"	"	3	30. 08	74	73	71	"	"	6	
4			"	"	3	30. 07	74	74	72	"	"	6	
5			S by W	S. S. W.	2	30. 06	75	74	72	"	"	4	
6			"	"	2	30. 06	75	74	72	"	"	4	
7			"	"	2	30. 08	77	74	72	bcr	"	4	
8	Ebb.		"	"	1	30. 08	81	75	73	bcm	"	3	
9			Swinging	"	2	30. 10	81	75	72	bc	cum str.	1	
10			N. N. W.	"	2	30. 10	76	74	71	"	"	5	
11			N by W	"	2	30. 10	78	73	70	"	"	8	
Mid.			"	"	2	30. 10	78	72	69	"	"	8	

under the command of Commander A. S. Snow, U. S. Navy,

Thursday August 14th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and unties 4 a.m.
Clear fine weather. Light airs to light breeze from N. W. and gentle breeze from N. N. W.

W Ry Mash Field.
Ensign U.S.N.

4 to 8 P.M.
Condy.- misty- light airs from N. N. W. Barometer steady.

J. T. Newton
Lieut. U.S.N.

8 AM to Meridian.
Partially cloudy. Clearing last part. Light airs and breezes from N. W. to S.W. at 9.30 mustered at quarters and exercised divisions as per routine. Thos. Hafuto (Ldr.) was rated Steerage Cook by order of Comdg. Officer.

M. Stone
Ensign U.S.N.

Meridian to 4 P.M.
Clear and fine. Gentle breeze from S. S. E.

W Ry Mash Field.
Ensign U.S.N.

4 to 8 P.M.
Partially cloudy Light rain 3rd hour Light breeze and Light airs from S.S.W. At 4.0 called all hands and exercised in sail drill.

M. Stone
Ensign U.S.N.

8 P.M. to Midnight.
Clear fine weather, light breeze from S.S.W. Steering to E&L at 9.30

W Ry Mash Field.
Ensign U.S.N.

Examined and found to be correct.

G. K. Lewis
Lieut., Navigator.

LOG of the UNITED STATES Steamer Essex, 3rd Rate,

At anchor off Tompkinsville Staten Island

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N. N. W.	N. N. W.	3			30.10	76	71	69		b	none	10	
2				"	"	3			30.09	74	70	68		"	"	10	
3			2.30	N. W by W.	West	3			30.09	72	70	68		"	"	10	
4	Flood		3.30	South.	"	3			30.09	71	70	66		"	"	10	
5				S. W.	W. S. W.	2			30.09	70	69	67		bc	cir	8	
6				S W by S	West	3			30.10	68	67	65		bcu	"	8	
7				"	"	3			30.10	69	67	65		"	"	9	
8				S. S. W.	"	3			30.10	69	68	66		"	"	9	
9	Ebb		9.00	"	"	3			30.12	72	71	68		bnc	none	10	
10				N by W	N W	3			30.12	73	73	70		"	"	10	
11				"	"	3			30.13	75	74	70		"	"	10	
Noon.				"	N N W.	3			30.13	76	76	70		bc.	cir. cum	9	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 375 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2488 "

Coal consumed during the preceding 24 hours, tons 1380 lbs.

Coal remaining on hand at Noon, 158 " 780 "

P. M.													
1			N by W.	N W.	3	30.13	77	78	71	b. c.	cir. cum	9	
2	2.45		"	N W by N	2	30.12	78	79	71	"	"	6	
3	Flood	3.30	Springing	"	2	30.12	78	79	73	"	"	6	
4		4.00	"	"	2	30.12	79	78	73	"	"	5	
5			S by E.	N N W.	2	30.12	80	79	73	"	"	8	
6			"	"	2	30.13	79	79	74	b.	none	10	
7			S by W.	"	2	30.13	79	78	74	"	"	10	
8			"	"	2	30.14	79	78	73	"	"	10	
9			S W	"	2	30.16	80	76	72	"	"	10	
10			N by W	"	2	30.18	78	76	69	"	"	10	
11			"	"	2	30.20	77	73	68	"	"	10	
Mid.			"	N. N. E.	2	30.23	77	72	67	b. c.	cir. cum	9	

under the command of Commander A. S. Snow, U. S. Navy,

Friday August 15th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended 4 A.M.

Clear and pleasant. Gentle breeze from N.N.W. backing to West. Commenced to swing to flood at 2.30 At end of watch three quarters around.

Jas. F. W. Holman
Lieut U.S.N.

4 to 8 A.M.

Clear and pleasant. Light to gentle breeze from W.S.W to West. Scrubbed hammocks. Bent light sails and fore topmast staysail.

J. W. Hetherington
Ensign U.S.N.

8 AM to Merid.

Clear, gentle breeze from N.W. Mustered at quarters. Got up and bent Main topmast staysail and Miggen topmast staysail. Put on chafing gear. Rove off gear of Mainsail Tested Magazine & Shell Room flood cocks & found them in good condition.

W. Ray Mason Field
Ensign U.S.N.

Meridian to 4 P.M.

Clear and pleasand, gentle to light breeze from NW. to W.N.W. by N. at 2.45 commenced swinging to flood Between wind & tide at end of watch. At 1 P.M. turned in clean hammocks at quarters. Secured Sailing Launch, 2 Cutter, gig & whale boat for sea. Bent the mainsail. Rove off cat & fish, made the general preparation for sea. By order of the Secretary of the Navy Ensign Hetherington was detached upon unconditional written resignation to take effect one year from date.

Jas. F. W. Holman
Lieut U.S.N.

4 to 8 P.M.

Clear fine weather, light breeze from N.N.W. Received from U.S.S. Enterprise Allen Stevenson (Mach.) with bag, hammock & necessary papers; transferred M. Griffin (PM) & John F. Cunningham (PM) to Marine Barracks. Received from Marine Barracks W. H. Carman (PM) & Patrick O'Brien (PM) Hoisted Steam Launch.

W. Ray Mason Field
Ensign U.S.N.

8 PM to Mid.

Clear and pleasant. Light breeze from N.N.W. hauling to N.N.E. Commenced swinging to ebb at 9.25 and finished at 10. P.M.

Jas. F. W. Holman
Lieut U.S.N.

Examined and found to be correct.

W. R. Smith
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Anchor off Tompkinsville Staten Island

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N W.	N by E.	2			30.23	76	72	67		b.	none	10	
2				"	"	2			30.24	76	71	67		b. c.	cum	9	
3				N by E.	"	3			30.25	74	71	65		"	"	9	
4	3	5/10	6.8	Swinging	"	3			30.26	73	69	64		"	"	9	
5				N E by E.	"	3			30.29	70	69	64		"	cir. cum	1	
6				"	"	3			30.31	69	68	65		"	"	2	
7				Heading out	East	3			30.34	69	68	65		"	"	2	
8				"	E N E.	4			30.34	69	68	64		"	"	4	
9	3	9	4.0	E S E. 3/4 E	E by North	3			30.35	69	67	63	69	"	cir. Str.	6	S
10	7	4	11.4	"	East	3			30.36	69	67	63	69	"	"	8	"
11	7	2	18.7	"	"	3			30.37	71	69	65	69	b.	none	10	"
Noon.	7	4	26.2	"	E by S.	3			30.37	72	70	68	69	"	"	10	"

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. — N 40 ° 23' 32"
- Longitude by D. R. — W 73 ° 22' 10"
- Latitude by observations of ⊙ — N 40 ° 20' 47"
- Longitude by chronometer from Forenoon Observations of ⊙ — ° ' "

Position at 8 a. m.
- Latitude by — ° ' "
- Longitude by — ° ' "

Position at 8 P. M.
- Latitude by D R — N 40° 13' 42"
- Longitude by Obs ⊙ 5-P.m. — W 72° 7' 30"

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 300 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2188 "

Coal consumed during the preceding 24 hours, 3 tons 1030 lbs.

Coal remaining on hand at Noon, 154 " 1990 "

P. M.																	
1	7	2	33.5	E S E 3/4 E.	E by S	3			30.37	72	71	63	71	b.	none	10	S.
2	6	6	40.8	"	"	3			30.37	74	72	66	70	"	"	10	"
3	7	2	48.3	"	"	2			30.36	74	72	66	70	"	"	10	"
4	7	6	56.0	"	E S E.	2			30.36	74	72	66	71	"	"	10	"
5	8	1	63.3/4	"	S E. by E	2			30.35	74	72	67	73	"	"	10	"
6	8	1	71.1/2	"	S E.	2			30.34	73	71	67	73	b. c.	cir. Str.	6	"
7	8	1	79.1/2	"	"	2			30.34	74	71	66	73	"	"	6	"
8	8	1	87.3/4	"	"	2			30.36	74	71	66	73	"	"	6	"
9	8	0	95.3/4	"	"	2			30.37	74	71	66	73	"	"	9	"
10	8	1	103.0	"	"	2			30.37	74	72	67	73	"	"	8	"
11	8	3	111.1	"	"	2			30.36	74	72	67	73	"	"	9	"
Mid.	8	5	119.0	"	"	2			30.36	74	72	68	73	"	"	9	"

under the command of Commander A. S. Snow, U. S. Navy,

Saturday August 16th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.

Clear and pleasant; light to gentle breze from N by E.
At 2 AM started fires 3 boilers; Commenced scowinging to flood at 3.35 AM.

F. T. Arms
Lieut. U. S. N.

4 AM to 8 AM.

Fair weather, gentle breze from N by E. and moderate breze from E. N.E. Called all hands at 6.00 to get underway, and started ahead at 6.20 bound for S. A. Station. Comdg. Officer conning ships. Draft of ships forward 14.1 aft 15.5 amidships 15.3

W Ray Mason Field
Ensign U. S. N.

8 AM to Meridian

Clear and pleasant. Gentle breze from E by N. to E by S. Smooth sea. At 8.27 took departure Perch and Ball buoy abeam and close aboard. Put overboard the patent log and set course E & E. 3/4 E. At 9 AM set all fore and aft sails except main topmast staysail. At 9.30 AM. mustered at quarters. At 10 AM. took in fore and aft sail. Average steam 71, revs. 49.4

George F. W. Holman
Lieut. U. S. N.

Meris to 4 PM.

Fine pleasant weather. Gentle to light breze from E by S to E & E. Smooth sea. Average steam press. 64 lbs. 71 rev. 47. Patent log 56.0

F. T. Arms
Lieut. U. S. N.

4 to 6 PM.

Clear and pleasant, smooth sea, light breze from SE. by E and SE. Mustered at quarters. Average steam press 70. Revs. 48.8

J. T. Newton
Lieut. U. S. N.

6 to 8 PM.

Clear fine weather, smooth sea, light breze from SE. Course E & E. 3/4 E. Average steam press. 70 Revs. 49.6

W Ray Mason Field.

8 to Midnight.

Clear and pleasant. Light breze from SE. Steering a course E & E. 3/4 E. At 8.15 PM set the main topmast staysail. Average Steam 64 1/2 Revs. 44 1/4

George F. W. Holman
Lieut. U. S. N.

Examined and found to be correct.

G. K. Lewis
Lieut., Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Sea. Making passage from New York

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.			119.0														
1	8	4	126.8	ESE ¾ E.	SE.	2			30.40	74	73	69	74	b.c	cir. str.	8	8
2	8	4	134.5	"	"	2			30.38	73	72	69	74	"	"	9	"
3	8	6	142.5	"	"	2			30.38	73	73	70	74	b.	"	10	"
4	8	4	150.2	"	"	2			30.38	73	73	70	74	b.c.	"	8	"
5	8	4	158.5	"	SE by S.	3			30.38	73	73	70	72	"	"	8	"
6	8	5	166.0	"	"	3			30.39	73	72	70	72	"	"	8	"
7	8	0	173.5	"	"	3			30.39	73	72	70	72	"	"	9	"
8	8	1	181.75	"	"	3			30.40	73	73	71	72	"	"	9	"
9	8	1	189.75	"	"	3			30.41	74	73	72	72	"	cir. cum. nimb.	6	"
10	8	2	197.04	"	"	3			30.41	74	73	72	72	"	cir. cum	8	"
11	8	3	205.05	"	"	3			30.41	75	73	72	71	"	"	8	"
Noon.	8	3	210.75	"	"	3			30.40	75	74	73	73	"	"	8	"

Course and distance made good since preceding noon by observations, S 82° E 194 knots. tenths.

Position at Noon:
- Latitude by D. R. N. 39° 44' 17"
- Longitude by D. R. W. 69° 23' 10"
- Latitude by observations of ⊙ N. 39° 53' 32"
- Longitude by chronometer from Forenoon Observations of ⊙ W. 69° 11' 02"

Position at 8 a. m.
- Latitude by D.R. N 39° 48' 18"
- Longitude by Chro W 69° 48' 02"

Position at 8 P. M.
- Latitude by D.R. from noon alt ⊙ N 39° 39' 20"
- Longitude by Chro from 5 P.M. obs ⊙ W 67° 29' 22"

Current during the time, 2 knots 5 tenths per hour, setting to the N 45° E.

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at 9 Am " W 10° 01' "

Variation of the Compass by Azimuth ⊙ observed at 9-17 " ° ' "

Water expended during the preceding 24 hours, 535 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1653 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.																	
1	8	2	219.0	E SE ¾ E	S by E	3	–		30.39	76	74	73	74	b.c.	cum	9	S.
2	8	7	227.5	"	"	3	2		30.37	77	75	73	74	"	"	9	"
3	9	4	236.2	"	South	3	2		30.36	77	75	73	76	"	"	9	"
4	9	6	244.7	"	"	3	2		30.36	77	76	73	76	"	"	9	"
W 68-04 N 39-41 5	9	4	253.2	"	S by W	3	2		30.35	77	76	74	76	"	"	8	"
6	9	2	262.5	"	S SW.	3	2		30.34	77	76	74	76	"	"	9	"
7	9	5	271.5	"	SW by W	3	2		30.32	78	76	74	76	"	cir. cum	8	"
8	9	4	280.1/4	"	"	3	2		30.33	79	76	74	76	"	"	8	"
9	9	4	288.75	"	SW.	3	2		30.34	79	75	74	75	"	cir. str.	9	"
10	10	–	297.9	"	"	4	2		30.33	79	75	74	76	"	"	9	"
11	10	–	307.1	"	"	4	2		30.33	78	76	74	76	"	"	9	"
Mid.	9	8	316.3	"	"	4	2		30.33	78	76	73	71	"	"	9	"

under the command of Commander A. S. Snow, U. S. Navy,

to South Atlantic Station Sunday August 17th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.

Clear and pleasant. Bright starlight; light breze from SE. Ships under steam and fore and aft sail & Main topmast staysail. Average steam pressure 68 lbs. Revolution 49.

[illegible]
Lieut U. S. N.

4 AM to 8 AM.

Clear and pleasant. Barometer steady, gentle breeze from SE by S. Smooth sea. Average steam pressure 66 lbs. Revolutions 48.4

J T Newton
Lieut. U. S. N.

8 AM to Merid.

Clear fine weather gentle breze from SE by S. Mustered at quarters and Comdg. Officer inspected ships & crew. Course E & SE 3/4 E, smooth sea, all fore and aft sail. Average steam press. 65. Average revolutions 46.4

W Ray Mason 2nd Asst.
Ensign U. S. N.

Merid to 4 PM.

Clear and pleasant, gentle breeze from S & SE to South. Gulf stream. Cours to the E.S. At 1 made all plain sail except mainsail. Passed two barques standing to the Wd. Average steam press 64½ lbs. Revs. 48.6

[illegible]
Lieut. U. S. N.

4 to 6 PM.

Clear and pleasant, gentle breeze from S by W. to S & W. Under steam and all plain sail except main sail. Course E & SE 3/4 E. Average steam pressure 65 lbs. Revs. 47.5

[illegible]
Lieut U. S. N.

6 to 8 PM.

Clear and pleasant, barometer steady, gentle breze from SW by W. Took in main & mizzen topmast staysails. Aver. steam press 65. Revs. 48.3.

J T Newton
Lieut. U. S. N.

8 PM to midnight.

Clear fine weather, moderate breze from SW. Course E & SE 3/4 E. Plain sails to royals with main staysail. Smooth sea, barometer steady. Average steam pressure 65.7 Average revolutions 48.2

W Ray Mason 2nd Asst.
Ensign U. S. N.

Examined and found to be correct.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At Sea making passage from New York to South Atlantic Station

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.			316.3														
1	10	0	325.8	E S E 3/4 E.	S W by S.	3	2		30.34	78	77	74	76	b. c.	cum	9	8
2	10	0	334.8	"	"	3	2		30.34	78	76	74	76	"	"	8	.
3	10	1	344.0	"	"	4	2		30.34	78	76	74	77	"	"	8	.
4	10	4	353.2	"	S W.	4	2		30.34	79	77	73	79	"	"	7	.
5	10	4	363.0	"	"	4	2		30.34	78	77	73	79	"	"	7	.
6	10	0	371.8	"	"	4	2		30.34	78	77	74	79	"	"	7	.
7	9	6	381.0	"	S W by W.	4	2		30.34	77	77	74	78	"	"	7	.
8	9	4	390.0	"	"	3	2		30.35	77	77	74	79	"	"	5	.
9	9	0	399.0	"	West.	4	2		30.34	78	78	74	80	"	"	5	.
10	9	2	407 3/4	"	"	4	2		30.34	78	78	75	80	"	"	4	m
11	10	0	417 1/2	"	W by S.	5			30.35	79	78	74	80	"	"	6	.
Noon.	6	6	424.75	"	"	5	2		30.35	80	78	74	80	"	"	6	.

Course and distance made good since preceding noon by observations, S 85° E 230 knots. tenths.

Position at Noon:
- Latitude by D. R. N. 39 ° 22 ' "
- Longitude by D. R. W. 64 ° 37 ' "
- Latitude by observations of ⊙ N. 39 ° 33 ' "
- Longitude by chronometer from Forenoon Observations of ⊙ W. 64 ° 16 ' "

Position at 8 a. m.:
- Latitude by DR N 39 ° 23 ' 20 "
- Longitude by Chro W 68 ° 00 ' 00 "

Position at 8 P. M.:
- Latitude by DR from mer alt ⊙ N 39 ° 08 ' 31 "
- Longitude by ° ' "

Current during the time, 0 knots 7 tenths per hour, setting to the N 67° E.

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at 5h P.m. " W 15° 44' "

Water expended during the preceding 24 hours, gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, "

Coal consumed during the preceding 24 hours, 10 tons 1400 lbs.

Coal remaining on hand at Noon, 133 " 885 "

P. M.																	
1	9	6	433.3	S E by E 1/2 E	W by S.	4	2	—	30.34	80	78	75	79	b. c.	cum	6	m.
2	10	0	442.5	"	"	4	2		30.34	80	78	74	79	"	"	7	.
3	10	0	452.25	"	"	4	2		30.34	80	78	74	80	"	"	7	.
4	10	0	462.	"	"	4	2		30.34	80	78	74	79	"	"	7	.
5	9	8	471.5	"	"	4			30.35	79	78	75	81	"	"	7	c
6	9	6	480.3	"	"	3			30.35	79	78	75	81	"	"	7	.
7	9	4	489.2	"	"	3			30.35	80	78	75	80	"	"	7	m
8	9	6	498.2	"	"	3			30.36	80	78	75	80	"	"	7	.
9	8	6	506 1/2	"	W S W.	3			30.37	80	78	73	80	"	"	9	.
10	8	5	515.3	"	W by S.	3-4			30.37	80	78	73	80	"	"	8	"
11	8	8	523 1/2	"	"	3-4			30.38	80	78	73	80	b. c. l.	"	8	8
Mid.	8	2	531 1/2	"	S W by S.	3			30.38	80	78	73	80	"	"	8	"

under the command of Commander A. S. Snow, U. S. Navy,

Monday August 18th, 18 90.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.

Clear and pleasant, gentle to moderate breeze from SW by S and SW. Steering a course ESE 3/4 E. Temperature of the water rose four degrees during the watch, two degrees of the rise being between 3 and 3.30. Phosphorescence of the water increased during the watch. Average steam pressure 64 lbs. Average revolutions 49.2

Geo. F. W. Holman
Lieut. U. S. N.

4 to 8 AM.

Clear and pleasant weather; moderate to gentle breeze from SW. to SW by W. Smooth sea, with light SW'ly swell; Several rain squalls passed to windward during last hour. Ships under steam & plain sail except mainsail. Took in fore topmast staysail at 4.30 Aver. steam press. 65 lbs; revs: 49.9.

F. Irwin
Lieut. U. S. N.

8 AM to Merid.

Generally clear and pleasant. Cloudy first part with frequent rain squalls passing to windward, one to leeward. Wind freshing latter part of watch. Sea moderate, barometer steady. At 9.30 mustered at quarters; took in royals, furled jib and spanker. Steam 63 lbs. Aver. revolutions 48.4. At noon changed course to SE by E 3/4 E. Ships rolling easily. Set the clock ahead 21 minutes between 11 and 12. By order of Comdg. Officer placed P. Dougherty PM. in confinement for neglect of duty - three days bread and water.

J. T. Newton
Lieut. U. S. N.

Merid. to 4 PM.

Clear fine weather, moderate breeze from W by S. Course SE by E 3/4 E. At 1.00 changed course to SE by E 1/2 E. (p. s. c.) and at 1.30 set royals. Sea moderate, ships rolling very easily. Served out small stores. Extra duty men at work. Average steam pressure 62 1/2 lbs. Average revs: 49.89.

W. Roy Mason Jr. Asst.
Ensign U. S. N.

4 PM to 6 PM

Clear and pleasant. Moderate to gentle breeze from W by S. Confused light chop sea. Steering a course SE by E 1/2 E. At 5.15 mustered at quarters. Average steam 60 lbs; revs: 49.

Geo. F. W. Holman
Lieut. U. S. N.

6 PM. to 8 PM.

Clear and pleasant weather. Gentle breeze from W by S. Moderate SW by sea. Ships rolling easily, course SE by E 1/2 E. Average steam 60 lbs; revs: 48.7

F. Irwin
Lieut. U. S. N.

Examined and found to be correct.

8 PM to Midnight.

Clear and pleasant, barometer steady, gentle to moderate breeze from W by S and SW by S. Lightning about E horizon, clouds slowly moving. Stopped between 11 and 12 to clear seat of water valve of high pressure cylinder. Average steam 58.5, revs: 46.8

J. T. Newton
Lieut. U. S. N.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At sea, making passage from New York to South Atlantic Station

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.			531.½														
1	8	2	539.5	SE by E½E	SSW.	2	2		30.38	80	78	74	80	b.e.l	cum	8	8
2	8	0	547.25	"	S by W.	2	2		30.37	80	78	74	79	"	"	8	"
3	8	4	555.25	"	"	2	2		30.37	80	78	74	79	bc	"	8	"
4	8	3	563.¼	"	"	2	2		30.38	80	78	74	79	"	"	8	"
5	7	9	570.7	"	SSW.	2	2		30.40	78	78	74	79	"	cir. cum	8	"
6	7	9	578.2	"	"	2	2		30.40	78	78	74	79	"	"	8	"
7	7	8	586.2	"	"	2	2		30.45	78	78	74	79	"	cir. cum	8	"
8	8	0	594.1	"	"	2	2		30.45	78	78	73	80	"	"	8	"
9	7	8	602.1	"	"	2	2		30.46	79	79	74	80	"	"	8	"
10	8	4	610.	"	"	2	2		30.46	80	80	74	80	"	cum	6	"
11	8	0	618	"	"	2	1		30.48	80	79	75	80	"	cum nimb	4	"
Noon.	4	2	623.0	"	East.	2	—		30.47	79	78	74	80	b.e.so	"	4	"

Course and distance made good since preceding noon by observations, S 77° E 204 knots. tenths.

Position at Noon:
- Latitude by D. R. N 38 °35' "
- Longitude by D. R. W 60 °07' "
- Latitude by observations of ⊙ N 38 °47' "
- Longitude by chronometer from Forenoon Observations of ⊙ W 60 °00' "

Position at 8 a. m.:
- Latitude by Alt. N 38 °44' "
- Longitude by Chro W 60 °39'28"

Position at 8 P. M.:
- Latitude by DR from mer alt N 38 °27'10 "
- Longitude by chro from P.m. obs ⊙ W 59 °35'27 "

Current during the time, 0 knots 5 tenths per hour, setting to the NNE

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 318 gallons.

Water Distilled during the preceding 24 hours, 1038 "

Water remaining on hand fit for use at Noon, 2250 "

Coal consumed during the preceding 24 hours, 11 tons 1560 lbs.

Coal remaining on hand at Noon, 121 " 1565 "

P. M.																	
1	7	2	630.¾	SE by E½E	WSW	2		30.46	81	79	74	81	b.c.	cum	8	SS.
2	7.9	7	637¾	SE by E	"	1		30.48	82	80	75	81	"	"	8	"
3	7	6	645	"	"	1		30.46	83	81	75	81	"	"	8	"
4	8	0	652½	"	Calm	0		30.48	83	82	75	81	"	"	8	S
5	7	9	660.1	"	Variable	1		30.52	83	82	75	82	"	"	8	"
6	7	6	667.25	"	SE.	2		30.51	82	81	76	81	"	"	7	"
7	7	7	674.50	"	SE by S	1-2		30.48	82	80	75	81	"	cir. cum	8	ES.
8	8	2	682.25	"	"	2		30.50	87	80	74	80	"	"	7	"
9	8	0	689.9	"	South	2		30.54	82	80	74	80	b.	none	10	SS
10	7	6	697.0	"	"	3		30.53	81	79	73	80	"	"	10	"
11	7	4	704.1	"	"	2		30.53	81	80	74	79	"	"	10	"
Mid.	7	2	710.8	"	S.S.E.	2		30.52	81	79	74	80	"	"	10	"

N 38.-36- W 59.-35-

under the command of *Commander A. S. Snow*, U. S. Navy,

Tuesday August 19th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid. to 4 AM.

Fair generally, with lightning first hour. Light breeze from S & W and S by W. Smooth sea, barometer steady. Course SE by E ½ E. Average steam 60½ lbs revs 44. Distilling.

W Ray Mason Jr.
Ensign U. S. N.

4 AM. to 8 AM.

Clear and pleasant. Light breeze from S & W. Steering a course SE by E ½ E. At 4.30 set royals, flying jib, spanker and main & mizzen topmast stay sails. Average steam 58 lbs, revs. 43.7.

Geo F Wilson
Lieut U. S. N.

8 AM to Merid.

Fine pleasant weather first two hours; passing showers last hour. Light breeze from S S W, first three hours; last hour wind hauled from S S W to S & W during a rain squall. A small water spout formed in clouds; but did not extend to the water. Smooth sea with light S'ly swell. Took in all sails at 11.15. At 11.50 set fore and aft sail. At 9.30 mustered at quarters & exercised as per routine. At 10.30 sounded call for "arm & away all boats" & gave crews stations. Ship under steam & fore and aft sails at end of watch on course SE by E ½ E. Average steam 64.1 lbs revs. 45.2

F. H. Wilcox
Lieut. U. S. N.

Merid. to 4 PM.

Bright and warm, barometer fluctuating, light breeze & light airs from W S W and calms. Long swell from N W. smooth sea. Furled square sail. Took in and furled fore and aft sails. At 1.15 changed course to SE by E. Average steam press. 60½ lbs. Average revs. 40½.

J T Newton
Lieut. U. S. N.

4 PM to 6 PM.

Clear weather, variable airs & light breeze from SE. Course SE by E. Sea smooth. Average steam 59. Average revs 42.6

W Ray Mason Jr.
Ensign U. S. N.

6 PM to 8 PM.

Clear and pleasant. Light airs from SE by E hauling at 6.50 to SE by S and increasing in force to light breeze. Light cross sea with an easy swell from the W. Steering a course SE by E. At 6.50 set jib, fore topmast stay sail, main try sail and spanker. Aver. Steam 66 lbs; revs 44

Geo F Wilson
Lieut. U. S. N.

8 PM to Mid.

Clear and pleasant. Bright starlight & moon light first hour. wind gentle to light from South to S S E, unsteady both in force & directions. Smooth sea. Ship under steam & fore and aft sail. Course SE by E. Average steam 60.1 lbs: revs: 47.2

Examined and found to be correct.

F. H. Wilcox Navigator.

C. K. Lewis Lieut U. S. N.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At sea, making passage from New York to South Atlantic Station

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	7	0	717 3/4	SE by E	SE by S	2			30.51	82	79	74	79	b c	cum.	8	3
2	7	2	724. 1/4	"	S S E.	3			30.50	82	79	74	79	"	"	8	"
3	7	3	731.0	"	"	2			30.50	81	79	75	78	"	"	9	"
4	7	2	738.0	"	"	2			30.49	81	79	75	79	"	"	9	"
5	7	0	745.0	"	"	2			30.50	81	79	75	79	"	"	9	"
6	6	7	751.7	"	"	2			30.51	80	79	75	80	"	cir. cum	9	"
7	6	5	758.2	"	S by E	2			30.52	80	79	75	80	"	"	9	"
8			759.2 Swinging	ships SE by E.	South	2			30.51	80	80	76	80	"	"	9	"
9	0	5	759.7	SE by E.	"	3			30.51	80	79	75	81	b.c.d.	cum. nimb	6	"
10	7	8	767.5	"	"	3	2		30.51	80	80	75	81	b.c.	"	6	"
11	7	9	775.4	"	"	3	2		30.49	80	80	75	81	"	"	7	"
Noon.	8	9	781.2	"	"	3	2		30.49	81	80	76	80	"	"	7	"

Course and distance made good since preceding noon by observations, S 74° E 170 knots. tenths.

Position at Noon:
- Latitude by D. R. N 37 ° 44 ' "
- Longitude by D. R. W 56 ° 56 ' "
- Latitude by observations of ⊙ N 37 ° 59 ' "
- Longitude by chronometer from Forenoon Observations of ⊙ W 56 ° 37 ' "

Position at 8 a. m.
- Latitude by DR from noon obs - ⊙ N 38 ° 07 ' 00 "
- Longitude by Chro W 57 ° 06 ' 26 "

Position at 8 P. M.
- Latitude by DR from noon obs - ⊙ N 37 ° 48 ' 48 "
- Longitude by Chro from P.M. obs ⊙ W 57 ° 28 ' 08 "

Current during the time, 2 knots 9 tenths per hour, setting to the N 44° E

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 360 gallons.

Water Distilled during the preceding 24 hours, 850 "

Water remaining on hand fit for use at Noon, 27 50 "

Coal consumed during the preceding 24 hours, 11 tons 160 lbs.

Coal remaining on hand at Noon, 110 " 1405 "

P. M.			781.2													
1	8	2	789.4	SE by E	South	3	2	30.49	81	80	75	81	b.c.	cum	7	S
2	7	8	797.0	"	"	3	2	30.49	83	80	76	81	"	"	6	"
3	8	0	804.8	"	S S E	3	—	30.49	82	80	75	81	"	"	6	"
4	8	0	812.1	"	"	3	—	30.47	82	80	75	81	"	"	6	"
5	8	0	820. 3/4	"	S by E.	3		30.46	82	80	74	81	"	cir-str	6	"
6	7	6	827. 1/4	"	"	3		30.46	82	79	75	81	"	"	6	"
7	7	6	834. 3/4	"	"	3		30.46	82	79	75	81	"	"	6	"
8	8	0	842. 1/4	"	"	3		30.46	80	79	75	80	"	"	6	"
9	7	7	849.5	"	"	3		30.48	80	78	75	77	b.c.l.	cum	6	"
10	7	9	857.2	"	"	3		30.47	80	78	75	78	"	"	7	"
11	7	9	864.5	"	"	3		30.45	80	78	75	78	"	"	7	"
Mid.	8	0	872.0	"	"	4		30.44	79	78	75	79	"	"	6	"

N 37-49
W 55-28

under the command of Commander A. S. Snow, U. S. Navy,

Wednesday August 20th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Midnight to 4 AM.

Clear and pleasant, smooth sea, barometer steady. Light to gentle breze from SE by S and SSE. Av. steam 60½ lbs. Av. revs 40½

J T Newton
Lieut. U. S. N.

4 AM to 8 AM.

Clear fine weather light breeze from SSE. Course SE by E. until 7.20 when stopped down to swing ship. Reading of patent log when taken in 59.2. Took in fore and aft sail. Average steam 62.3 Average revs. 38.2 Distilling

W Ray Mason Jr.
Ensign U. S. N.

8 AM. to Merid.

Clear and pleasant. A very light passing sizzle at 9. Gentle breeze from South. At 8.55 finished swinging ship and started ahead on the course SE by E, setting all fore and aft sail. At 9.30 mustered at quarters and drilled according to routine At 11.40 set foresail Aver. steam 70, revs. 40.9.

Geo F Wadleman
Lieut. U. S. N.

Merid to 4 PM.

Clear and pleasant. Gentle breze from South to SSE. Smooth sea, at 2.15 hauled up & furled foresail. Sold "lucky bag". Ship under steam and fore & aft sail. Steam 69.8 lbs, revs. 45.

O'Brien
Lieut U. S. N.

4 PM to 6 PM.

Clear and pleasant, barometer falling slowly. Gentle breze from S by E. Mustered at quarters. Steam 72 lbs; revs. 44.4

J T Newton
Lieut. U. S. N.

6 PM to 8 PM.

Clear fine weather, gentle breze from S by E. Course S by E. Sea smooth, barometer steady. Aver. steam 73 lbs. revs. 45.7.

W Ray Mason Jr.
Ensign U. S. N.

8 PM to Midnight.

Clear and pleasant. Gentle to moderate breze from S by E Heat lightning, beginning in the South and working around to NW, with occasional flashes in the East. Steering a course SE by E. At 8.15 stopped distilling. Average steam 70.8, revs 44.1

Geo F Wadleman
Lieut. U. S. N.

Examined and found to be correct.

H. K. Lewis
Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At sea, making passage from New York to South Atlantic Station

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	8	0	880.0	SE by E	S by E	3			30.44	79	78	74	80	b.c.l.	cum	6	8
2	7	8	887.2	"	"	3			30.46	78	78	74	80	"	"	8	"
3	8	0	895.0	"	"	3			30.45	79	78	74	79	"	"	8	"
4	8	0	903.0	"	"	2			30.43	79	77	74	79	b. e. l.p.	cum nimb	5	"
5	6	8	909.8	"	Variable	1			30.44	78	76	73	78	b.c	cum	6	"
6	7	2	916.3	"	S by E	2			30.44	78	77	73	78	"	"	6	"
7	6	3	923.6	"	S S E	2			30.41	79	77	74	79	"	"	8	"
8	7	6	931.0	"	"	2			30.43	78	77	74	79	"	"	4	"
9	7	6	938.5	"	"	2			30.40	78	77	74	79	"	"	4	"
10	7	2	946.0	"	"	2			30.44	79	78	74	79	"	"	4	"
11	6	8	953.5	"	"	2			30.43	80	78	74	79	"	"	4	"
Noon.	7	6	960.0	"	"	2			30.43	81	78	74	79	"	"	4	"

Course and distance made good since preceding noon by observations, S 79° E 174 knots tenths.

Position at Noon:
- Latitude by D. R. N 37 ° 07 ' 36 "
- Longitude by D. R. W 73 ° 05 ' 50 "
- Latitude by observations of ⊙ N 37 ° 01 ' 01 "
- Longitude by chronometer from Forenoon Observations of ⊙ W. 73 ° 10 ' 11 "

Position at 8 a. m.
- Latitude by D R from noon sun alt - ⊙ N 37 ° 09 ' 07 "
- Longitude by Chro W 73 ° 43 ' 41 "

Position at 8 P. M.
- Latitude by sun alt ⊙ N 36 ° 57 ' 49 "
- Longitude by D R from noon position W 73 ° 52 ' 41 "

Current during the time, knots tenths per hour, setting to the S 40° W

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 460 gallons.

Water Distilled during the preceding 24 hours, 685 "

Water remaining on hand fit for use at Noon, 2975 "

Coal consumed during the preceding 24 hours, 10 tons 220 lbs.

Coal remaining on hand at Noon, 100 " 1185 "

P. M.																	
1	1	3	963.5	SE by E. ESE.	South	2	3	3/4	30.43	81	78	74	79	b.e.	cum.	7	S.
2	2	4	965.6	SE by E	SSW.	2	2	3/4	30.43	81	79	74	79	"	"	5	"
3	2	0	966.3	"	"	2	1	3/4	30.42	82	79	74	79	"	"	5	"
4	2	1	968.0	ESE	South	2	1	3/4	30.42	80	78	74	78	"	"	5	"
5	1	0	969.0	"	"	1	—	3/4	30.41	80	78	75	78	b.e.fo	cum.nimb	4	—
6	1	0	969.0	SE by E	S by W.	1	—	3/4	30.41	79	78	74	78	b.e	"	4	—
7	1	0	970.0	"	S W	3-5	—		30.40	79	77	74	78	b.e.fo.	"	2	"
8	1	6	970.0	"	"	1	—		30.42	79	76	73	78	b. e.	cir.cum	6	"
9	1	2	970.0	"	"	4	—		30.41	79	76	73	78	b.q.l.	cum.nimb	5	"
10	1	4		"	"	2	—		30.40	79	76	73	78	b.e.	cum	6	"
11	1	2		"	"	2-4	—		30.41	79	77	74	77	b.e.q	"	5	"
Mid.	1	8	970 3/4	ESE.	South	3	—		30.40	79	77	74	75	b.e.	"	6	"

under the command of Commander A. S. Snow , U. S. Navy,

Thursday August 21st , 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Midnight to 4 AM.

Clear & pleasant weather. Bright starlight, passing showers at 3.30 Gentle to light breze from SE. Heat lightning to NE & NW. Hauled down main and mizzen topmast staysail at 3.55, Ships under steam & fore and aft sail. Course SE by E. Average steam 69 lbs: revs: 44.

W. A. Wiener
Lieut U.S.N.

4 AM to 8 AM.

Clear and pleasant. Barometer fluctuating, Variable light airs and light breze from S by E and SSE. Set main & mizzen topmast staysails. Average Steam 74 lbs; revs; 43.2

J. T. Newton
Lieut. U. S. N.

8 AM to Meridian

Clear fine weather, light breze from SSE. Mustered at quarters and exercised Division as follows: 1st div. fire stations; 2nd div. gun drill, powder div. stations. Course SE by E. At end of watch slowing down engines preparatory to uncupling propeller. Released P. Dougherty (PM) from confinement and confined Frank Wilson (Sea) for five (5) days by order of Cmdg. Officer. Average steam 67.9, revs 45.9. By order of Cmdg. Offier the following changes of ratings were made viz: A. E. Durand from Jack of Dust to Landsman, J. J. Brennahan from Landsman to Jack of Dust & K. Masuda from Lds. to Steerage Steward.

W Roy Mason Field.
Ensign U. S. N.

Meridian to 4 PM

Pleasant weather with rain squalls in sight around the horizon Light breeze from South to SSW. At 12 Made all plain sail except mainsail and stood on full and by. At 12.15 stopped the engines and let the fires die down. Uncoupled the propeller.

Geo. F. Holman
Lieut. U. S. N.

4 PM to 6 PM.

Cloudy at times then clear. Passing shower at 4.30 when wind veered out Showers along horizon throughout the watch. At about 5.30 wind veered out SbyW Smooth sea. Lowered smoke stack. Ship under all plain sail except mainsail.

W. A. Wiener
Lieut. U. S. N.

6 PM to 8 PM.

Cloudy - wind from SW. Moderate squall passed at 6.45. Shortened sail and made sail again to topgallant sails.

J. T. Newton
Lieut U. S. N.

Examined and found to be correct.

8 PM to Midnight.

Generally fair light squall at 9.00 and another at 11.00. Shortened sail to both. Course SE by E. Sea smooth

W Roy Mason Field
Navigator.
Ensign U. S. N.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

At sea, making passage from New York to South Atlantic Station

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	2	2	972.6	SE by E 3/4 E	S by W	2	1	3/4	30.38	79	77	74	75	b. c. l.	cum	6	S
2	2	7	975.2	"	"	3	2	3/4	30.38	79	77	74	76	"	nimb	6	"
3	2	8	977.9	"	"	3	2	3/4	30.37	78	77	73	76	"	cum	7	"
4	3	0	980.3	SE by E 1/4 E	"	3	2	1/2	30.37	79	78	73	76	"	"	8	"
5	3	0	983.8	SE by E 1/2 E	"	3	2	1/2	30.37	78	78	73	79	b. c.	"	8	"
6	3	0	986.5	E S E	S S E.	3	2	1/2	30.37	78	77	73	79	"	cir. cum	8	"
7	4	0	990.4	E S E 1/4 E	"	3	2	1/2	30.43	77	77	74	79	"	"	8	"
8	3	5	994.4	E S E.	"	3	2	1/2	30.40	78	77	73	79	"	"	5	"
9	3	5	997.09	SE by E 1/2 E	S by W	3		1/2	30.40	78	77	73	79	"	"	4	"
10	3	8	1001.8	SE by E	S S W.	2-4		1/2	30.41	78	77	74	79	b. c. r	cir cum nimb	4	"
11	2	2	1003	E by S	South	2		1/2	30.41	78	77	72	79	b. c.	cir. cum nimb	2	"
Noon.	2	5	1006	SE by E	S by W.	3		1/2	30.42	79	77	72	79	"	"	2	"

Course and distance made good since preceding noon by observations, E 4° S 57 knots. tenths.

Position at Noon:
- Latitude by D. R. N 36 ° 52 ' "
- Longitude by D. R. W 52 ° 02 ' "
- Latitude by observations of ⊙ N 36 ° 57 ' "
- Longitude by chronometer from Forenoon Observations of ⊙ W. 57 ° 59 ' "

Position at 8 a. m.
- Latitude by ⊙ Sun run alt- N 36 ° 5-7' 18 "
- Longitude by Chro W 5-2 ° 12 ' 5-1 "

Position at 8 P. M.
- Latitude by ⊙ Sun run alt. N 36 ° 5-4'00 "
- Longitude by Chro from P.m. obs. ⊙ W 5-1 ° 41 ' 27 "

Current during the time, 5/2 knots 2. tenths per hour, setting to the N 24 ° E

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at 4-34 P.m. " E.S.E W 18 ° 36 ' "

Water expended during the preceding 24 hours, 34-5 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2630 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 100 " 785 "

P. M.																
1	3	0	1009.75	SE by E 1/2 E	S by W.	3	3	1/2	30.42	79	78	73	79	b.c.	cir. cum	6	S
2	3	0	1010.75	"	"	3	3	1/4	30.41	79	78	73	79	"	"	6	"
3	3	0	1015	SE by E 1/4 E	"	3	3	1/4	30.41	78	77	73	79	"	cir. Str.	6	"
4	2	2	1017 3/4	"	"	3	3	1/4	30.41	78	77	72	79	"	"	6	"
5	2	9	1019.2	SE by E 1/2 E	"	2	2	3/4	30.41	78	77	72	79	"	"	3	"
6	1	6	1019.1	SE by E 1/4 E	"	1	1	3/4	30.41	79	78	73	79	"	"	3	"
7	1	6	1019.1	SE by E 1/2 E	"	2	1	3/4	30.41	80	78	73	78	"	"	3	"
8	1	6	1020.0	E 1/2 S	S by E.	2	2	3/4	30.41	80	77	73	78	"	"	5	"
9	2	8	1022.5	E NE 1/4 E	SE by S.	3		1/2	30.41	79	78	72	78	"	cir. cum	6	"
10	3	5	1026.0	E NE	"	3		1/2	30.40	78	77	72	78	b.c.l.	"	8	"
11	1	3	1027.3	S W	S E by S	2-3		1/2	30.40	79	76	72	78	"	"	8	"
Mid.	1	8	1028.8	S W. 1/2 W.	"	3		1/2	30.40	78	76	72	78	"	"	8	"

under the command of Commander A. S. Snow, U. S. Navy,
Friday August 22nd, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Midnight to 4 AM.

Clear and pleasant. Light to gentle breeze from S by W. Heat lightning in the NW. all the watch and in the South during the last hour. Clouds banking in the NW. until 3, when they broke away. Steering "full and by" until 3.30, when the ship came to her course SE by E. At 3 set mainsail and spanker and hailed up main trysail

Geo. L. W. Holman
Lieut U. S. N.

4 AM to 8 AM.

Fine pleasant weather. Gentle breeze from S by W to SSE. unsteady in directions. set royals & flying jib at 5.00. Ships under plain sail to royals at end of watch. Steering course "full and by". A ships in sight on port quarter at daylight. Cleaned bilges.

Lieut. U. S. N.

8 AM to Meridian.

Generally cloudy, barometer steady - light to moderate breeze from SSW. to S. close hauled. Smooth sea. At 9.A beat to General Quarters. Cast loose, 1st Div. 6 min. 2nd Div. 6 m. 25 secs. 3d Div. 2 m. 15 secs. Powder Div. 8 m. 20 secs. Navg. Div. 7 m. 5 sec. Eng. Div. 8 m. 2 sec. Pay 1 m. 0 sec. Marines - gen. 0 sec. About 10 rain squall from windward passed. shortened sail - made sail again with single reef in mainsail and head of main trysail hauled down. Exchanged colors with Norwegian bark that passed close astern bound to Northward. Made Int. Sig. G. Q. D. D. and B. C. D. she answered G. W. F. Tested life buoys and flood cocks of the magazine and found them in good working order.

J. T. Newton
Lieut U. S. N.

Meri's to 4 PM.

Clear fine weather, gentle breeze from S by W. Course full and by up to SE by E. Sea smooth.

W Ray Mason Field
Ensign U. S. N.

4 PM to 6 PM.

Clear and pleasant. Light breeze to light airs from S by W. Steering full and by. At 5.20 went to fire quarters.

Geo. L. W. Holman
Lieut U. S. N.

6 PM to 8 PM.

Partly cloudy, pleasant weather. Very light breeze from S by W to S. by E. Steering full and by. Sighted a steamer standing to the Southward.

Lieut U. S. N.

8 PM to Midnight.

Examined and found to be correct.

Clear and pleasant, barometer steady. Light to gentle breeze from SE by S. Wore ship at 10.30 Course full and by. Occasional lightning about N.N.E horizon.

Navigator.

J. T. Newton
Lieut U. S. N.

C. K. Lewis

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At sea, making passage from New York to South Atlantic Station

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	1	6	1032	SW½W.	SSE.	2	2	½	30.40	77	77	73	78	b.c.l	cir.cum	7	8
2	2	8	1033.5	East	S by E.	3	2	½	30.40	77	77	73	78	"	"	7	"
3	1	8	1035.25	"	"	2	2	½	30.40	77	77	73	76	"	"	8	"
4	2	5	1037.2	"	"	2	2	½	30.40	77	77	73	76	"	"	6	"
5	3	0	10.40.2	E ¼ N.	"	2		¾	30.40	78	77	73	78	b.c.	strat cir.cum	5	"
6	3	6	1044.0	E ½ N.	SSE	3		¾	30.42	78	76	73	78	"	"	5	"
7	3	5	1047.8	E ¼ S.	S by E	3		¾	30.42	78	77	73	78	"	"	4	"
8	3	6	1050.8	E ½ S.	"	3		¾	30.42	78	77	73	78	"	"	4	"
9	3	8	1053.6	"	SE by E	2	2	¼	30.44	77	77	74	78	b.c.r.	"	4	1
10	3	0	1058.0	East	S by E	3	2	¼	30.45	79	79	75	79	b.c.	"	3	"
11	4	0	1062.0	E ¼ S.	"	3	2	¼	30.45	80	80	75	79	"	Strat cum	3	"
Noon.	3	5	1066.0	E ½ S	"	3	2	¼	30.45	80	80	75	79	"	"	3	"

Course and distance made good since preceding noon by observations, E 1° N 39 knots tenths.

Position at Noon:
- Latitude by D. R. N 37 ° 06' 48"
- Longitude by D. R. W 50 ° 48' 51"
- Latitude by observations of ⊙ N 36 ° 55' 42"
- Longitude by chronometer from Forenoon Observations of ⊙ W 51 ° 09' 22"

Position at 8 a. m.
- Latitude by D.R. from mer obs ⊙ N 36 ° 51' 36"
- Longitude by Chrs W 51 ° 28' 22"

Position at 8 P. M.
- Latitude by D.R. from mer obs ⊙ N 37° 07' 36"
- Longitude by Chrs from P.m. obs ⊙ W 50° 42' 48"

Current during the time, 09 knots 7 tenths per hour, setting to the S 56° W.

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 262 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2368 "

Coal consumed during the preceding 24 hours, tons 1120 lbs.

Coal remaining on hand at Noon, 99 " 1505 "

P. M.																	
1	3	8	1069.8	East	S by E	3	2	½	30.45	80	79	74	79	b.c.	cir.cum	6	S
2	3	2	1073.2	E ¼ N	"	3	2	½	30.45	81	80	74	79	"	"	3	"
3	3	7	1076.9	E ½ N	"	3	2	½	30.44	80	79	74	79	"	"	3	"
4	3	8	1080.2	E ¾ N	SSE	3	2	½	30.44	80	79	74	79	"	"	2	"
5	4	5	1084.25	E ½ S	"	2	2	¼	30.44	78	78	74	79	"	"	6	"
6	3	5	1087.25	East	"	3	2	¼	30.45	78	78	74	79	"	"	6	"
7	3	4	1090	E by N	"	3	2	¼	30.46	79	78	74	79	"	"	3	"
8	3	5	1094.5	"	"	3	2	¾	30.47	79	79	75	79	"	"	3	"
9	3	4	1098.2	E NE ¼ E	SE by S	3	2	½	30.47	80	78	74	78	bcl	"	5	"
10	3	8	1101.5	NE by E ¾ E	"	3	2	½	30.47	80	78	74	77	"	"	7	"
11	3	6	1105.6	E ½ E.	"	3	2	½	30.47	80	77	74	78	"	"	8	"
Mid.	3	6	1109.5	"	"	3	2	½	30.47	80	77	73	76	"	"	8	"

N 37-01
W 51-09

under the command of Commander A. S. Snow, U. S. Navy,

Saturday August 23d, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Midnight to 4 AM.

Clear fine weather, light breze from S to S by E. At 1.00 wore ship to N&W Ed. Course SE by E. (p. s. c.) Fill and by during watch. Took in main trysail at 1.00. Sea smooth. Lightning from N'd and E'd during watch. Bar. Steady.

W Roy Mason Field.
Ensign U. S. N.

4 AM to 8 AM.

Fair. Light to gentle breze from SSE to S by E. Steering "full and by."

Geo. H. Coleman
Lieut. U. S. N.

8 AM to Merid.

Pleasant weather. Generally cloudy, heavy masses of cumulus clouds with occasional rain showers passing along horizon. Gentle breze from SW to SSE unsteady in direction. Smooth sea. At 9 set main & mizzen topmast staysail. At 9.30 mustered at quarters & inspected clothing. Steering full and by. Ship under all plain sail.

F. Turner
Lieut. U. S. N.

Meridian to 4 PM.

Cloudy and pleasant, barometer steady, gentle breze from S by E gradually hauling to SSE. Smooth sea. Board of survey condemned 1½ lbs canned vegetables. F. A. Leggett & Co. contractors. 10 lbs evaporated peaches; Thurber Whyland & Co. contractors. 4 lbs. roast mutton, F. A. Leggett & Co contractors: these provisions were thrown overboard by order of Comdg. Officer. Course close hauled. E to E ¾ North.

J. T. Newton
Lieut. U. S. N.

4 PM to 6 PM.

Fair and pleasant, light to gentle breze from SSE. Course SE by E. "full & by". Mustered at quarters. Took in & stowed main & mizzen topmast staysails.

W Roy Mason Field.
Ensign U. S. N.

6 PM to 8 PM.

Fair. Gentle breze from SSE. Steering "full and by"

Geo. H. Coleman
Lieut. U. S. N.

8 PM to Midnight.

Clear and pleasant. Gentle breze from SE by S. Steering "full and by"

F. Turner
Lieut. U. S. N.

Examined and found to be correct.

L. K. Reamer
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At sea, making passage from New York to South Atlantic Station

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	Air, Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	4	6	1113.5	ENE	SEbyS.	3	2	½	30.46	80	77	74	76	b.c.	cir.cum	8	S
2	4	4	1117.8	EbyN	SSE.	3-4	2	½	30.46	80	77	73	78	b.c.l	"	8	"
3	3	0	1120.8	E.N.E. ½ E	"	3	2	½	30.44	80	77	73	78	b.c.l	"	8	"
4	3	4	1124.2	"	"	3	2	½	30.44	80	76	73	78	"	"	8	"
5	3	6	1128.25	"	SEbyS.	3	2	½	30.45	79	76	73	79	b.c	"	6	"
6	3	8	1132.25	"	"	3	2	½	30.46	78	76	73	79	"	"	8	"
7	3	8	1136.5	E ¾ N.	"	3	2	½	30.46	78	77	73	79	"	"	7	"
8	3	8	1140.3	"	SSE.	3	2	½	30.46	78	77	73	79	"	"	8	"
9	3	7	1144.8	EbyN.	"	3	2	½	30.47	79	77	75	79	"	"	6	"
10	4	0	1148.3	NEbyE.	SEbyE	3	2	½	30.48	78	77	74	79	b.e.p.	cir.cum x nimb	4	"
11	4	0	1152.8	E½N.	SbyE	3	2	½	30.48	79	79	74	79	b.e.	cir.cum	7	"
Noon.	3	5	1156.1	E.	"	3	2	½	30.48	79	79	74	79	"	"	7	"

Course and distance made good since preceding noon by observations, N 50° E 98 knots. tenths.

Position at Noon:
- Latitude by D. R. — N 37 ° 44 ' . "
- Longitude by D. R. — W 49 ° 38 ' " "
- Latitude by observations of ⊙ — N 37 ° 39 ' " "
- Longitude by chronometer from Forenoon Observations of ⊙ — W 49 ° 36 ' " "

Position at 8 a. m.:
- Latitude by mer alt-⊙, DR fm, — N 37 ° 52 ' 08 "
- Longitude by Chro — W 49 ° 51 ' 00 "

Position at 8 P. M.:
- Latitude by DR. fm mer alt-⊙ — N 37 ° 42 ' 36 "
- Longitude by Chro fm P.m. obs. — W 49 ° 41 ' 18 "

Current during the time, 0 knots 7 tenths per hour, setting to the N. 6° E

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head — ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " — ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8-28 fm, " E N E ½ E — W 21 ° 12 ' "

Variation of the Compass by Azimuth ⊙ observed at " — ° ' "

Water expended during the preceding 24 hours, 298 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2070 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 99 " 1105 "

P. M.																	
1	3	5	1161.0	E by N ½ N.	SSE	3	4	½	30.47	79	79	75	78	b.e.	cir.cum	7	S
2	2	5	1163.5	SW by W ½ W	"	2	2	½	30.46	78	79	74	78	"	"	7	"
3	3	8	1167.2	SW ½ W.	SEbyS	2	2	½	30.45	79	78	74	78	"	"	7	"
4	4	1	1171.2	SW ¼ W.	"	3	3	½	30.44	78	78	75	78	"	"	7	"
5	4	8	1176.0	"	"	4	2	½	30.44	78	78	74	78	"	cir.cum nimb.	3	"
6	4	8	1180.8	SW.	"	3	2	½	30.42	78	77	73	77	"	"	5	"
7	4	2	1185.0	SW by W ¾ W.	SbyE	3	2	½	30.42	79	78	74	77	"	cum x dcs	6	"
8	4	8	1189.2	E ¼ N	"	3	2	½	30.42	79	78	74	77	"	"	6	"
9	4	8	1193.3	East-	"	4	4	⅞	30.42	79	78	74	79	"	cir.cum	8	"
10	4	6	1197.5	"	"	4	5	½	30.42	79	78	74	79	"	"	6	"
11	4	8	1202.	E S E ½ E	SbyW.	4	4	½	30.42	79	77	74	79	b.e.l.	"	4	"
Mid.	3	5	1205.5	SE by E ½ E	S SW.	3	3	¾	30.41	79	77	74	79	"	"	4	"

37-6-3
41-39

under the command of Commander A. S. Snow , U. S. Navy,
Sunday August 24th , 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Midnight to 4 AM.

Clear and pleasant, barometer falling gentle to moderate breeze from SE by S and SSE. Smooth sea. Ships under all square sail except single reef in mainsail; all fore and aft sail except main & mizzen topmast staysails. Course full and by.

J. T. Newton
Lieut. U. S. N.

4 AM to 8 AM.

Clear fine weather. Gentle breeze from SE by S. Course SE by E. "Full and by" the whole watch. Sea smooth.

W Roy Mason Jr.
Ensign U. S. N.

8 Am to Meridian.

Clear and pleasant, with the exception of a light passing shower at 9.40. Gentle breeze from SSE and S by E. with a flaw to SE by E during the second hour, ~~commenced~~ caused by a passing rain squall. Steering full and by. At 9.30 the Comdg. Officer inspected the ship and the crew at quarters. At 9.40 took in royals and flying jib and set them again at 10.

Geo. F. W. Holman
Lieut. U. S. N.

Merid. to 4 PM.

Clear and pleasant weather. Gentle to light breeze from SSE to SE by S. Smooth sea. At 1 attempt to tack missed stays, boxed round on port tack. Time 30 m. Ships under all plain sail except one reef in mainsail. Found wheel ropes badly chafed; hooked relieving tackles and shifted wheel ropes.

[illegible]
Lieut U. S. N.

4 PM to 6 PM.

Cloudy and pleasant - barometer steady. Close hauled port tack. Moderate to gentle breeze from SE by S.

J. T. Newton
Lieut. U. S. N.

6 PM to 8 PM.

Clear fine weather gentle breeze from S by E. At 7.00 tacked to E & S. Course SE by E. "Full and by" Sea smooth.

W Roy Mason Jr.
Ensign U. S. N.

8 PM. to Midnight.

Clear and pleasant. Moderate to gentle breeze veering from S by E to SSW. Faint heat lightning in the South latter part of watch. Occasional passing showers in sight. Steering full and by. The course was ordered SE by S.

Examined and found to be correct.

Geo. F. W. Holman
Lieut. U. S. N.
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At sea, making passage from New York to South Atlantic Station

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	4	0	209.5	E S E 1/4 E.	S by W.	5	5	1/2	30.40	78	76	74	77	b c.	cum. cir	4	M
2	4	4	214.0	"	"	4-5	4	1/2	30.39	78	76	73	78	b.c.g.	"	5	"
3	4	2	218.1	"	"	4-3	3	1/2	30.39	78	76	73	78	"	"	5	"
4	4	0	221.5	"	"	3-4	3	1/2	30.38	78	76	73	78	"	"	5	"
5	3	5	225.0	E 1/4 S	S by E	3-4	3	3/4	30.37	78	76	73	78	b.c.	cum. nimb	6	"
6	4	4	229.4	"	"	3-5	3	3/4	30.37	78	76	72	78	"	"	6	"
7	4	6	234.4	"	"	4	3	3/4	30.38	78	76	72	78	"	cum. str	7	"
8	4	4	238.4	"	"	4	4	3/4	30.38	78	77	73	78	"	"	8	"
9	5	0	243.6	E 1/2 S	South	4	4	1/4	30.43	78	77	73	78	"	"	8	"
10	5	1	248.7	"	"	4	3	1/2	30.42	78	78	73	78	"	"	8	"
11	5	0	253.2	E by S	"	4	4	1/4	30.41	79	78	73	78	"	"	8	"
Noon.	5	0	257.2	"	"	4	4	1/4	30.40	79	77	73	78	"	"	8	"

Course and distance made good since preceding noon by observations, N 85° E 96 knots. tenths.

Position at Noon:
- Latitude by D. R. — N 37 ° 55 ' "
- Longitude by D. R. — W 48 ° 01 ' "
- Latitude by observations of ⊙ — N 38 ° 08 ' "
- Longitude by chronometer from Forenoon Observations of ⊙ — W. 48 ° 01 ' "

Position at 8 a. m.:
- Latitude by D R from mer alt - ⊙ — N 38 ° 02 ' 55 "
- Longitude by Chro. — W 48 ° 24 ' 18 "

Position at 8 P. M.:
- Latitude by D R from mer alt - ⊙ — N 38 ° 13 ' 13 "
- Longitude by Chro from P.m. obs ⊙ — W 47 ° 12 ' 27 "

Current during the time, — knots 9 tenths per hour, setting to the N 56° E

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at 4-44 P.m. " E. S. E. — NW 21 ° 53 ' "

Water expended during the preceding 24 hours, 312 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1758 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 99 " 705 "

38-12
47-29

P. M.																
1	4	0	261.5	E 3/4 S.	South	3	3	1/2	30.40	79	77	73	79	b.c.p.	cir. cum. x nimb.	4	S
2	4	4	266.0	E 1/2 S.	"	3	3	1/2	30.40	78	77	73	79	b.c.	"	4	"
3	4	5	270.5	E 3/4 S.	"	3	3	1/2	30.39	78	77	73	79	"	"	5	"
4	3	2	273.5	E by S.	"	3-5	2	1/2	30.39	79	76	72	79	b.c.g.	"	4	"
5	3	0	276.7	S E by E 1/2 E	S by W	5-3	2-6-2	1/2	30.38	77	76	72	78	b.c.g.p.	"	7	"
6	3	6	280.0	E S E 1/4 E	"	3	2	1/2	30.38	78	76	74	78	b.c.	"	7	"
7	3	4	283.2	E S E 3/4 E	"	3	2	1/2	30.38	79	77	74	78	"	"	6	"
8	3	3	286.5	E 3/4 S.	South	3	2	1/2	30.38	79	77	74	78	"	"	6	"
9	4	2	290.6	E 1/2 S	"	3	2	1/4	30.40	78	77	74	78	"	"	6	"
10	4	8	295.0	E 3/4 S	"	3	2	1/4	30.40	77	77	74	78	b.c.g.	"	5	"
11	4	5	299.9	E by S	"	3	2	1/4	30.39	77	76	74	77	"	"	4	"
Mid.	4	0	302.2	E 1/2 S	"	3	2	1/4	30.38	78	76	73	77	"	"	6	"

under the command of Commander A. S. Snow, U. S. Navy,

Monday August 25th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Midnight to 4 AM.

Weather generally pleasant with bright starlight, wind moderate to fresh, unsteady in force. Several light squalls during the watch. Moderate sea. Under plain sail to topgallant sail, full and by.

[illegible]
Lieut U. S. N.

4 AM to 8 AM.

Clear and pleasant, barometer steady, gentle & fresh breeze from S by E.

J. T. Newton
Lieut U. S. N.

8 AM to Meridian.

Clear fine weather, moderate breeze from S. Course SE by S. Mustered at quarters and exercised battalion. At 11.00 furled main sail and set main topmast stay sail. The Comdg. Officer awarded the following punishments: A. E. Durand (Lds:) shirking drill – 2 hrs Extra duty. F. Vogel (OS.) missing muster night watch – To be called 20m before watch for 4 nights: H. Rogers (Apps), E. Eales (PM.), A. R. Hentz (PM.) (R. Sherlock (PM.) & P. Dougherty (PM.) not manning main sheet when word was passed – 8 hours extra duty. P. Dwyer (Lds:) & J. Scaggs (Lds:) missing muster morning watch – 2 hrs extra duty. W. E. Stevens (Apps) not manning main brace – 2 hrs: extra duty. Jas: Dwyer (CS.) not turning out for mid. watch. To be called 20m before watch, for 4 nights:

W Ry Mann Field.
Ensign U. S. N.

Merid to 4 PM.

Generally clear. A passing shower at 1.20 and another at 3.45. Gentle breeze from South with a fresh squall at 3.45. At 1.20 took in topgallant sails & set them again at 1.25. At 3.40 took in topgallant sails, main trysail & spanker & set them again at 3.50. Steering full & by.

George F. Wadhams
Lieut. U. S. N.

4 PM to 6 PM.

Generally clear & pleasant. Gentle breeze from S by W. with light squalls at 4.30. Smooth sea. At 4.30 took in topgallant sails & spanker to a light squall. Ship under plain sail to topgallant sails except main sail Main ~~trysail~~ & fore topmast staysail set. Steering full & by.

[illegible]
Lieut. U. S. N.

6 PM to 8 PM.

Clear and pleasant. Bright moonlight. Barometer steady, gentle breeze from S by W to S.

J T Newton
Lieut U. S. N.

8 PM to Midnight.

Examined and found to be correct.

Generally fair and squally. Heavy rain squalls around windward horizon. Gentle breeze from S. Course SE by S. Full and by all the watch. Sea smooth.

W Ry Mann Field.
Navigator.
Ensign U. S. N.

[illegible]
Lt. Nav

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At sea, making passage from New York to South Atlantic Station

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	3	2	305.5	E S E 1/2 E	South	2	2	1/2	30.37	78	76	73	79	b.c.	cir.cum	7	8
2	3	0	308.0	"	"	2	2	1/2	30.35	78	76	73	79	"	"	8	"
3	3	0	310.5	"	"	2	2	1/2	30.35	78	76	74	79	"	"	8	"
4	3	0	312.8	E S E 1/4 E	"	2	2	1/2	30.34	78	76	71	79	"	"	8	"
5	2	6	314.6	"	"	2	2	1/2	30.34	77	76	72	78	"	"	6	"
6	2	0	315.5	"	S by W	2	—	1/2	30.34	77	76	72	78	"	"	6	"
7	2	0	317.0	E 1/2 S	South	2	—	1/2	30.34	76	75	72	78	"	"	6	"
8	3	5	320.	E 1/2 S	"	2	—	1/2	30.36	76	75	72	78	"	"	6	"
9	3	6	323.6	E S E 3/4 E	"	3	3	1/4	30.36	77	76	72	78	"	"	7	"
10	3	6	326.8	E S E 1/4 E	S by W.	3	3	1/4	30.36	78	76	74	78	"	"	7	"
11	3	0	329.6	"	S S W.	3	3	1/4	30.37	78	76	73	78	"	"	6	"
Noon.	1	7	330.3	E S E.	S by W.	3	3	1/4	30.37	78	77	74	78	"	"	8	"

Course and distance made good since preceding noon by observations, N 72° E 11.5 knots tenths.

Position at Noon:
- Latitude by D. R. — N 38 ° 22 ' 31 "
- Longitude by D. R. — W 46 ° 19 ' 30 "
- Latitude by observations of ⊙. — N 38 ° 43 ' 52 "
- Longitude by chronometer from Forenoon Observations of ⊙ — W 45 ° 40 ' 16 "

Position at 8 a. m.
- Latitude by mer alt ⊙ — N 38 ° 42 ' 22 "
- Longitude by Chro — W 45 ° 56 ' 24 "

Position at 8 P. M.
- Latitude by mer alt ⊙ — N 38 ° 47 ' 40 "
- Longitude by Chro from P. m. obs. — W 44 ° 56 ' 39 "

Current during the time, 1 knots 5 tenths per hour, setting to the N 55° E

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head — ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " — ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8-29 P.m. " E x S — W 23 ° 34 ' "

Variation of the Compass by Azimuth ⊙ observed at " — ° ' "

Water expended during the preceding 24 hours, 325 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1433 "

Coal consumed during the preceding 24 hours, tons 3 75 lbs.

Coal remaining on hand at Noon, 99 " 330 "

P. M.																	
1	2	8	333.1	East	South	3	3	1/4	30.37	78	77	74	78	b.c.	cir.cum	6	8
2	3	2	336.2	E S E.	S by W.	3	3	1/4	30.37	78	76	72	78	"	"	6	"
3	4	0	339.2	"	"	3	3	1/4	30.36	79	77	73	78	"	"	6	"
4	2	4	341.9	"	"	3	3	1/4	30.36	79	77	75	78	"	"	5	"
5	3	5	345.5	E S E 1/2 E	"	4-1	2-5	1/2	30.36	78	75	73	79	b.c. p.g.	cir.cum nimb.	5	"
6	3	4	348.5	"	"	2	2	1/2	30.36	78	76	74	79	b.c. p.	"	5	"
7	3	5	351.5	E by S	"	2	2	1/2	30.36	78	77	74	79	b.c.	cir.cum	5	"
8	3	5	354.0	"	"	2	2	1/2	30.37	78	76	73	79	"	"	5	"
9	2	3/4	356 3/4	S E by E	S by W to S by W	3-5	2	1/4	30.37	78	76	75	78	"	cum.	6	"
10	3	5	359.25	S E by E 1/2 E	S by W	3-2	2	1/4	30.37	77	77	74	78	"	"	8	"
11	3	0	362.1	E S E 3/4 E	South	3-2	2	1/4	30.37	77	76	74	78	"	"	7	"
Mid.	2	1	364.3	E S E.	S by W.	3-2	2	1/4	30.36	77	75	74	78	"	"	7	"

38-45
48-11

under the command of Commander A. S. Snow, U. S. Navy,

Tuesday August 26th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Midnight to 4 AM.

Clear and pleasant. Light breze from South. Barometer falling slowly. Steering "full and by."

Jno. L. Hollman
Lieut. U. S. N.

4 AM to 8 AM.

Generally pleasant, several rain squalls passed along the horizon. Light breze from S to S by W. very light first two hours. Smooth sea. Steering full and by.

[illegible]
Lieut. U. S. N.

8 AM to Meridian

Clear and pleasant, barometer steady gentle breze from S. S by W. and S S W. At 9.30 mustered at quarters. 1st Div. exercised with Gatling gun 3d Div. great guns. Marine Guard, bayonet exercise. Released Frk. Wilson (Sea) from confinement, his term of confinement having expired. By order of Comdg. Officer confined Jere. Mahoney (Ord.) 5 days bread and water, for leaving the ship without permission. Aug. 11th. Set the clock ahead 11m at 11 o'clock.

J. T. Newton
Lieut. U. S. N.

Merid. to 4 PM.

Generally fair, with squalls passing astern. A very plainly marked water spout was observed on the quarter, with two others not so plain on weather beam. Gentle breze, from S by W. Course S, E by S. "Full and by" all the watch. Took in royals & flying jib twice to heavy puffs. Extra duty men employed.

W. Reynolds
Ensign U. S. N.

4 PM to 6 PM.

Generally clear and pleasant with a large number of rain squalls in sight. At 4.30 a moderate squall with rain passed over, the breze failing afterwards to light airs, and then freshening to light breze. A passing shower without wind at 6. At 4.30 clewed up topgallantsails and took in maintrysail & spanker. At 4.45 set topgallant sails, royals, flying jib, main trysail and spanker. At 5.0 mustered at quarters. Steering full and by.

Jno. L. Hollman
Lieut. U. S. N.

6 PM to 8 PM.

Generally pleasant with several rain squalls in sight, light to very light breze from S by W. Smooth sea. Took in & furled royals & flying jib at 7. Steering full & by.

[illegible]
Lieut. U. S. N.

8 PM to Mid.

Examined and found to be correct.

Clear and pleasant, bright moonlight. Moderate squall between 8 and 9. wind veering to S W by W. At other times gentle to light breze from S & S by W.

J. T. Newton
Lieut. U. S. N.

C. K. Curtis
Lieut. U. S. N.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At sea, making passage from New York to South Atlantic Station

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	3	0	1367.4	E by S	S by E	3	3	1/4	30.36	78	76	74	77	b.c.	cir.cum	4	3
2	3	0	1370.0	"	"	3	3	1/4	30.36	78	76	74	77	"	cum	8	"
3	3	4	1373.2	"	"	3	3	1/4	30.36	77	76	74	77	"	"	8	"
4	3	0	1375.5	"	"	3	3	1/4	30.36	77	75	74	77	"	"	8	"
5	2	8	1378.2	"	"	2		3/4	30.35	77	76	74	78	"	cir. cum	4	"
6	2	8	1381.2	E 1/2 S	"	2		3/4	30.35	77	76	74	78	"	"	4	"
7	3	2	1384.4	E 1/4 N.	"	2		3/4	30.36	76	75	74	78	"	"	3	"
8	3	2	1388.4	E 3/4 S	"	2		3/4	30.37	76	75	73	78	"	"	3	"
9	3	8	1392.2	E S E 1/4 E	South	3	3	1/2	30.37	77	76	74	78	"	cir sta. cum	3	"
10	3	1	1396.2	E S E	S by W.	3	3	1/2	30.38	77	76	74	78	"	"	3	"
11	3	8	1399.8	"	"	3	2	1/2	30.38	78	78	74	77	"	"	3	"
Noon.	3	0	1402.5	"	"	3	2	1/2	30.38	78	77	74	77	"	"	3	3

Course and distance made good since preceding noon by observations, N 80° E 91 knots. tenths.

Position at Noon:
- Latitude by D. R. N 38 °54 "
- Longitude by D. R. W 44 °05' "
- Latitude by observations of ⊙ N 38 °59' "
- Longitude by chronometer from Forenoon Observations of ⊙ W 43 °46' "

Position at 8 a. m.:
- Latitude by mer alt - ⊙ N 38 °58' 49"
- Longitude by Chro W 44 °04' 39"

Position at 8 P. M.:
- Latitude by mer alt - ⊙ N 38 °59' 01"
- Longitude by Chro from P.M. obs W 43 °21' 00"

Current during the time, —— knots 6 tenths per hour, setting to the N 71° E

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 345 gallons.

Water during the preceding 24 hours, 220 "

Water remaining on hand fit for use at Noon, 1308 "

Coal consumed during the preceding 24 hours, tons 1425 lbs.

Coal remaining on hand at Noon, 98 " 1145 "

P. M.																	
1	3	1/4	1405.75	E by S	South	2-3	3	1/4	30.37	78	76	74	78	b.c.	cir-cum	8	82.
2	3	7	1409.4	E S E	S by W	3	3	1/4	30.37	78	76	74	78	"	"	5	"
3	3	2	1412.6	S E by E	S S W	3	3-4	1/4	30.37	77	76	74	78	"	"	2	"
4	3	3	1415.9	S E 3/4 E	"	3	3-4	1/4	30.36	77	76	75	78	"	"	1	"
5	3	3	1419.3	E S E.	South	3	3-4	1/4	30.37	77	76	74	78	"	"	4	8
6	3	0	1421.5	"	"	2	3-4	1/4	30.37	77	76	74	78	"	"	4	"
7	2	9	1423.2	"	"	2	1	3/4	30.37	77	77	75	77	"	cir.cum	3	"
8	2	5	1425.2	S E by E 1/2 E	S by W.	1	1	3/4	30.38	77	76	76	78	"	"	3	"
9	2	6	1426.8	"	S S W.	2	2	3/4	30.38	78	77	75	78	"	cir cum	5	"
10	3	2	1429.8	E 1/2 S	South	3	3	1/2	30.38	77	76	75	77	"	"	5	"
11	4	0	1433.5	E by S.	"	3	3	1/2	30.38	77	76	75	76	"	"	5	"
Mid.	4	2	1437.8	"	"	4	3	1/2	30.38	77	76	76	76	"	"	5	"

38-59
42-36

under the command of Commander A. S. Snow, U. S. Navy,

Wednesday August 27th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Midnight to 4 AM.

Clear fine weather, gentle breeze from SSby E. Course SSE "Full and by" all of watch. Rain clouds passing overhead & around horizon.

W Rz Mason Field.
Ensign U.S.N.

4 AM to 8 AM.

Fair. Gentle to light breeze from SSby E. A few passing showers in sight. Steering full and by. At 4.30 set royals and flying jib. Hoisted the Smokestack and started fires under one boiler for distilling.

Jno. F. Holman
Lieut. U.S.N.

8 AM to Merid.

Pleasant weather generally cloudy. Gentle breeze from South to S by W. Smooth sea with long S'ly swell. Steering "full and by". At 9.30 mustered at quarters & exercises as per routine. Distilling.

F. Harris
Lieut. U.S.N.

Merid to 4 PM.

Clear, clouding over latter. Light to gentle breeze from S gradually veering to SSW. Barometer Steady. Smooth sea. Long swell from NW.

J. Newton
Lieut. U.S.N.

4 PM to 6 PM.

Clear fine weather, gentle to light breeze from S. Mustered at quarters. Distilling.

W Rz Mason Field
Ensign U.S.N.

6 PM to 8 PM.

Fair. Light breeze to light airs from S. to SSby W. Short light swell from the W. Lower stratum of clouds, cumulus, moving with the wind; upper stratum, cirro cumulus, and cirrus, coming from the NW. Steering full and by. At 6.30 furled royals and stowed flying jib.

Jno. F. Holman
Lieut. U.S.N.

8 PM to Mid.

Fine, pleasant weather. Bright moon light. Very light breeze first part increasing to moderate last hour. Smooth sea with long SW'ly swell. Steering full and by. At 8.34 sounded call for General Quarters 1st Div. ready in 3m. 2nd in 3m 55 sec. 3d Div. in 3m 30 sec. Powder Div. in 5m 15 sec. Masters Div. in 5m 30 sec. Surgeons 2m. Engr Div. in 3m & Marines in 4m 15 sec. Secured at 8.50.

F. Harris
Lieut. U.S.N.

Examined and found to be correct.

Le. K. Curtis
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At sea making passage from New York to South Atlantic Station

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	5	0	1442.	E by S	South	3	3	1/4	30.36	77	76	74	77	b.c.	cir.cum	8	L.S.
2	4	3	1446.3	ESE 3/4 E	"	3-4	4	1/4	30.35	77	76	74	77	"	"	6	"
3	4	45	1450.75	E & E.	S by W	3-4	4	1/4	30.35	77	76	75	77	"	cum str	7	"
4	5	1	1455.1	SE by E 3/4 E	"	3-5	4	1/4	30.33	77	75	74	77	"	"	6	"
5	4	2	1459.50	ESE.	"	3	4	1/4	30.35	76	75	75	78	"	"	5	"
6	4	0	1463.3	"	"	3	4	1/4	30.36	76	75	74	78	"	"	5	"
7	4	0	1467.3	"	"	5	10	1/4	30.37	76	75	74	78	"	"	6	"
8	4	5	1472.3	SE 3/4 E	"	3	4	1/4	30.37	75	74	73	78	"	"	6	"
9	4	2	1476.5	E & E.	"	3	4	1/2	30.37	76	75	74	78	"	cir. cum cum. nimb	6	m.c. l.
10	3	8	1480.0	"	"	3	3	1/2	30.37	76	75	74	78	"	"	6	"
11	3	5	1483.5	"	"	3	3	1/2	30.37	76	76	74	78	"	"	6	"
Noon.	3	3	1487.0	SE by E 1/2 E	"	3	3	1/2	30.37	78	76	70	77	"	"	7	"

Course and distance made good since preceding noon by observations, N 85° E 59 knots tenths.

Position at Noon:
- Latitude by D. R. N. 39 ° 04' "
- Longitude by D. R. W 41 ° 52' "
- Latitude by observations of ⊙ N. 39 ° 03' "
- Longitude by chronometer from Forenoon Observations of ⊙ W 42 ° 30' "

Position at 8 a. m.:
- Latitude by D.R. from noon obs - ⊙ N 39 ° 02' 38"
- Longitude by Chro W 42 ° 49' 03"

Position at 8 P. M.:
- Latitude by D.R. from noon obs - ⊙ N 38 ° 42' 14"
- Longitude by Chro from P.m. obs W 41 ° 56' 12"

Current during the time, 1 knots 2 tenths per hour, setting to the S 87° W

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8-22 Am. " E.S.E. W 23 ° 56' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 600 gallons.

Water Distilled during the preceding 24 hours, 1536 "

Water remaining on hand fit for use at Noon, 2244 "

Coal consumed during the preceding 24 hours, 1 tons 2160 lbs.

Coal remaining on hand at Noon, 96 " 1225 "

P. M.																	
1	4	0	1490.8	ESE 1/2 E	S by W.	3	3	1/2	30.37	78	76	70	77	b.c.	cir. cum	7	L.S.
2	4	0	1494.3	"	"	3	3	1/2	30.36	78	76	71	77	"	"	7	"
3	3	6	1497.0	"	South	3	3	1/2	30.35	78	76	71	78	"	"	7	"
39-02 42-15 4	3	4	1499.0	S by E	"	3	—	1/2	30.36	79	77	72	78	"	"	7	"
5	7	0	1509.6	"	"	4	—	—	30.35	79	77	72	78	"	"	7	B.
6	6	0	1515.0	"	"	3-5	—	—	30.35	78	77	73	77	"	cum x nimb	5	"
7	6	2	1520.75	"	"	4	—	—	30.35	78	77	72	77	"	"	4	"
8	6	2	1526.5	"	"	3	—	—	30.36	79	77	72	77	"	"	5	"
9	5	2	1531.5	"	S by E.	3	—	—	30.36	78	77	72	77	"	cir. cum cum	5	"
10	5	2	1536.0	"	"	3	—	—	30.35	78	77	73	77	"	cum nimb	5	"
11	5	5	1541.0	"	"	4	—	—	30.35	77	76	73	77	b.c. p.	"	4	"
Mid.	5	8	1546.5	"	"	4	—	—	30.35	77	76	72	77	b.c	"	4	"

under the command of Commander A. S. Snow, U. S. Navy,
Thursday August 28th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 AM.

Clear and pleasant, barometer falling slowly, gentle to fresh breeze from S and SbyW. Square sail to tgt. sls; jib, fore topmast staysail, try sail spanker. Close hauled starboard tack. A schooner passed to leeward heading to Wd at 3.15 showing no lights.

J. T. Newton
Lieut. U. S. N.

4 AM to 8 AM.

Fair and pleasant, gentle to stiff breeze from SbyW. Course SSE. "Full and by" the whole watch. Sea Smooth. Scrubbed blankets. Distilling.

W Rg Mason Field.
Ensign U. S. N.

8 AM to Merid

Clear & pleasant. Gentle breeze from SbyW. Steering "Full and by". At 9.30 mustered at quarters and drilled as follows:- 1st and 2nd Divs. great guns; 3d Division machine guns; Powder Division, revolvers; Navigators' Division, target practice with revolvers. At 11.15 started fires under two boilers.

Geo. F. W. Holman
Lieut. U. S. N.

Merid to 4 PM.

Clear and pleasant weather. Gentle breeze from SbyW. to SbyE. Smooth sea with long SSly swell. At 2.40 tried engines; 2.50 furled top gallant sails: At 3.30 took in and furled all sails and started ahead under steam. Course SbyE. Second Div. exercised at revolver target practice. Threw overboard 80 lbs. dried fish by order of Comdg. Officer, upon recommendation of Quarterly Board of Survey. Marks:- Edward B. Frazier, Contractor. Board of Inspection, Navy Yard, N. York June 1889.

[illegible]
Lieut. U. S. N.

4 PM to 6 PM.

Clear and pleasant. Squall forming to SSW. x WSW. at close of watch. Irregular sea. Gentle to fresh breeze from S. Sighted a sail standing to WSW. x ESE. Average steam 75 lbs, Revs. 42.3

J. T. Newton
Lieut. U. S. N.

6 PM to 8 PM.

Clear fine weather. Moderate to gentle breeze from S. Course SbyE. Aver. steam 70 lbs; revs. 38½

W Rg Mason Field.
Ensign U. S. N.

8 PM to Mid.

Examined and found to be correct

Fair. Several showers in sight one of which passed over the ship at 11. Gentle to moderate breeze from SbyE. Irregular sea. Average steam 69 lbs; revs. 36.6

Geo. F. W. Holman Navigator.
Lieut. U. S. N.

[illegible]
Lieut. U. S. Navy

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At sea, making passage from New York to South Atlantic Station

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	5	0	1531.2	SbyE.	SbyE.	4	—	—	30.34	77	77	72	77	b.c.	cir. cum	7	SS.
2	5	5	1536.2	"	"	4	—	—	30.33	77	77	73	77	"	"	7	"
3	6	2	1541.8	"	"	4	—	—	30.32	77	76	72	76	"	"	7	SM.
4	6	0	1547.9	"	"	4	—	—	30.31	77	76	73	76	"	"	7	"
5	5	0	1553.4	"	SbyE by S.	3-4	—	—	30.31	77	76	73	77	"	"	7	"
6	4	3	1557.75	"	SbyW.	3-4	—	—	30.32	77	75	73	77	"	cum × nimb.	6	"
7	5	0	1562.2	"	SbyE.	4	—	—	30.32	77	76	73	77	"	"	6	"
8	4	8	1567.0	"	"	4	—	—	30.32	77	76	73	77	b.c.sp.	cir. cum × nimb.	5	"
9	4	5	1571.2	"	"	4	—	—	30.36	77	76	72	76	"	"	5	"
10	4	6	1575.8	"	"	4	—	—	30.35	78	77	73	76	b.c.	"	5	"
11	5	1	1580.5	"	"	4	—	—	30.36	78	77	72	76	"	"	5	"
Noon.	5	1	1602.6	"	"	4	—	—	30.35	79	77	73	76	"	"	6	"

Course and distance made good since preceding noon by observations, S 44° E 101 knots. — tenths.

Position at Noon:
- Latitude by D. R. N 37 ° 41' "
- Longitude by D. R. W 40 ° 52' "
- Latitude by observations of ⊙ N 37 ° 37' "
- Longitude by chronometer from Forenoon Observations of ⊙ W 41 ° 01' "

Position at 8 a. m.:
- Latitude by D R from mer alt - ⊙ N 38 ° 04' 37"
- Longitude by Chro W 41 ° 14' 15" "

Position at 8 P. M.:
- Latitude by D R from mer alt - ⊙ N 37 ° 17' 49" "
- Longitude by Chro from P.m. obs W 40 ° 35' 21" "

Current during the time, — knots 5 tenths per hour, setting to the N 35° W

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8-42 Am. " S × E W 23 ° 58' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 325 gallons.

Water during the preceding 24 hours, 826 "

Water remaining on hand fit for use at Noon, 27445 "

Coal consumed during the preceding 24 hours, 8 tons 1680 lbs.

Coal remaining on hand at Noon, 87 " 1785 "

P. M.																	
1	4	9	1606.9	SbyE	South	4-5	—	—	30.34	79	78	73	77	b.c.q.	cum × nimb	6	W
2	5	7	1611.8	"	"	4	—	—	30.34	79	78	73	77	b.c.	"	6	"
3	5	7	1617.2	"	SbyW.	4-6	—	—	30.34	78	76	72	78	b.c.p.q.	"	3	"
4	5	6	1622.3	"	South	4	—	—	30.34	79	77	72	78	b.c.	cir. cum cum. str. nimb	4	"
5	4	8	1627.8	"	"	4	—	—	30.34	79	78	73	78	b.c.	"	5	"
6	5	6	1633.2	"	"	4-5	—	—	30.34	78	76	73	78	b.c.p.r.	"	3	"
7	6	1	1638.7	"	S. to WSW.	3-5	—	—	30.35	78	75	72	78	ogr.l.	"	2	"
8	6	2	1644.25	"	SWbyS.	4	—	—	30.35	78	76	72	78	"	"	2	"
9	5	3	1648.9	"	"	4	—	—	30.36	78	78	72	78	"	"	2	"
10	6	1	1654.2	"	South	4	—	—	30.37	78	78	73	78	"	"	2	"
11	6	0	1660.	"	"	4	—	—	30.37	78	77	72	78	b.c.	"	2	"
Mid.	6	0	1665	"	"	4	—	—	30.37	78	77	72	78	"	"	2	"

37-34
40-37

under the command of Commander A. S. Snow, U. S. Navy,

Friday August 29th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 AM.

Clear and pleasant. Bright moonlight, moderate breeze from S by E. Smooth to moderate sea with long S'ly swell. Ship rolling easily 5° to 5° to starbd & port. Under steam, course S by E. Aver. steam 71 lbs, revs 35.3

[illegible]
Lieut U. S. N.

4 AM to 8 AM.

Clear & pleasant. Occasional rain squalls visible to S'd & E'd One rain squall crossed the ships at 7.30. Wind generally from S by E. veering at times to S by W. and SE by E. Barometer steady, long swell from SE. Five sails were sighted during watch. One passed about a mile astern at 5. sths. took. Cleaned bilges. Steam alone. Aver. steam 70 lbs, revs. 34.1

J. V. Newton
Lieut. U. S. N.

8 AM to Merid.

Clear fine weather, moderate breeze from S by E. Course S by E. Steaming under two boilers. At 9.30 beat to general quarters. 1st Div. ready in 2m 50s 2nd Div, 4m; 3d Div, 2m 20sec; Navg. Div, 3m 15s; Powder Div, 3m 35s; Engr Div, 2m 40s; Marine Guard, 2m 3s; Pay. 1m 10s; Surg. 1m 45s. The following punishments were awarded by the Comdg. Officer: - L. W. Dopp (ord) and A. Piratzky (ord). slow in answering call, - 12 hrs. extra duty. B. Bailey (Lds.) using officers towels. - 3 night watches. W. Hammond (Stew.) two weeks quarantine. Thos. Lafuto (Lds.) & K. Gakutchi (W.R. Stds.) Not scrubbing blankets, - one night watch. C. Boothby (OS) Leaving station on lookout - reduced to 4th class on arrival in port. Sighted two sails during watch. Steam 70 lbs: Revs: 33.

W Ray Mason Field.
Ensign U. S. N.

Merid to 4 PM.

Fair, except between 2.30 & 3 when a squall of wind of force of 6 accompanied by heavy rain passed over ships. A number of rain squalls in sight. Observed a water spout. Moderate breeze from South with a stiff squall first hour and a fresh squall third hour. Steering a course S by E. Average steam 73 lbs; revs. 36.8

Ensign W Holman
Lieut U. S. N.

4 PM to 6 PM.

Generally fair, Moderate breeze from South. At 5 a moderate wind & rain squall passed over, winds shifted to S W during squall and hauled back to S after it passed. At 5.20 went to fire quarters. Engrs. stream in 3m; Second stream 3m 15s; Third stream 4m. Steering course S by E. Aver. steam 70 lbs; revs: 39.8

[illegible]
Lieut U. S. N.

6 PM to 8 PM.

Overcast & squally. One rain squall passed at 7.40 wind veering to W S W. moderate in force. At end of watch wind from S W by S, moderate and [illegible] to be covered. Barometer rising. Set jib, f. top staysail, m. try sail & spanker. Average steam 70 lbs; revs. 38.

J. J. Newton
Lieut U. S. N.

8 PM to Mid.

Very cloudy with rain & lightning during first part, then clearing up. Navigator. Took in f & aft sails. Course S by E. Aver. steam 70 lbs: Aver. revs: 36.7

W Ray Mason Field.
Ensign U. S. N.

Le. K. Lewis
Le. K. Navr.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At sea making passage from New York to South Atlantic Station

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	5	5	1669.5	SbyE.	SbyW.	4.6	—	—	30.34	77	76	72	78	b.c.g.p.	cum. nimb	3	B.
2	5	3	1674.8	"	"	4.5	—	—	30.34	77	76	72	78	"	"	3	"
3	5	5	1680.0	"	"	4	—	—	30.33	77	77	72	78	b.c.	cir. cum cum × nimb	1	"
4	5	6	1686.2	"	"	4	—	—	30.33	77	77	72	77	o.c.	"	0	"
5	5	5	1690.5	"	"	4	—	—	30.34	77	76	73	77	"	cir. cum	0	"
6	5	5	1696.1	"	"	4	—	—	30.37	77	76	73	77	b.c.	"	1	"
7	5	6	1701.7	"	"	4	—	—	30.37	77	76	73	77	"	"	3	"
8	6	4	1707.5	"	"	4	—	—	30.38	77	76	72	77	"	"	3	"
9	6	5	1713.4	"	SSW.	3	—	—	30.40	77	77	72	77	"	cir. cum Stratus	1	WL
10	6	0	1719.1	"	"	3	—	—	30.40	78	78	73	77	"	"	1	"
11	5	7	1724.5	"	"	3	—	—	30.40	79	78	73	77	"	"	5	"
Noon.	5	0	1729.5	"	"	3	—	—	30.38	79	78	73	77	"	cir. cum	5	"

Course and distance made good since preceding noon by observations, S 34° E 127 knots. tenths.

Position at Noon:
- Latitude by D. R. — N 36 ° 01 ' "
- Longitude by D. R. — W 39 ° 29 ' "
- Latitude by observations of ⊙ — N 36 ° 05 ' 40 "
- Longitude by chronometer from Forenoon Observations of ⊙ — W 39 ° 31 ' "

Position at 8 a. m.:
- Latitude by DR from mer alt ⊙ — N 36 ° 22 ' 34 "
- Longitude by Chro — W 39 ° 46 ' 52 "

Position at 8 P. M.:
- Latitude by DR from mer alt ⊙ — N 35 ° 37 ' 52 "
- Longitude by Chro from P.m. obs. — W 38 ° 58 ' 42 "

Current during the time, — knots 2 tenths per hour, setting to the N 23° W

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at 4-04 P.m. " S.E. W 24 ° 00 ' "

Water expended during the preceding 24 hours, 310 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2435 "

Coal consumed during the preceding 24 hours, 7 tons 605 lbs.

Coal remaining on hand at Noon, 80 " 1180 "

P. M.																
1	5	4	1734.7	SbyE	SSW.	3	30.41	80	79	74	77	b.c.	cir. cum	6	S
2	3	2	1740.5	SSE	"	3	30.42	80	78	73	77	"	"	6	"
3	3	0	1742.6	SbyE	"	2	30.41	79	77	73	77	"	"	6	"
4	—	—	1742.6	"	"	2	30.41	79	77	73	77	"	"	6	"
5	3	1	1745.7	"	SW.	2	30.41	79	77	73	77	"	cum cir cum nimb.	5	"
6	6	5	1752.1	SbyE 1/2 E	SWbyS.	2	30.41	78	77	73	77	"	"	3	"
7	7	0	1759.0	SbyE 3/4 E	"	2	30.41	78	77	73	77	"	"	3	"
8	7	2	1765.4	SbyE	SbyW.	3	30.42	79	78	74	77	"	"	3	"
9	6	1	1771.1/4	"	SSW.	2-3	30.42	79	79	74	77	"	"	3	SL
10	6	5	1777 3/4	"	"	2	30.42	79	78	74	77	"	cir. cum Str.	2	"
11	6	5	1784.1/4	"	"	2	30.41	78	78	74	77	"	"	5	"
Mid.	6	7	1791.0	"	SW.	2	30.40	78	77	73	77	"	"	7	"

S 35-56
S 39-17

under the command of Commander A. S. Snow, U. S. Navy,
Saturday August 30th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid. to 4 AM.

Cloudy. Moderate breeze from S by W. with fresh to stiff squalls first part. Many rain squalls in sight two passing over the ships. From 12 until 1, a heavy bank of clouds worked up from the NW and then went off to the NE with the wind. Steering a course S by E. Aver. Steam 69 lbs; revs: 35.5.

Geo. F. W. Holman
Lieut. U. S. N.

4 AM to 8 AM

Cloudy, unsettled weather. Wind gentle to moderate from South to S W by S, unsteady in force & direction. Smooth sea with broken swell. Several rain squalls passed along horizon. Steaming, course S by E. Av. steam 72 lbs, revs: 37.2.

[illegible]
Lieut U. S. N.

8 AM to Merid.

Pleasant, cloudy, clearing latter part. Barometer fluctuating. Gentle breeze from S S W. Smooth sea. Long swell from S E. At 9.30 mustered at quarters: Inspected and aired bedding. Rove off manilla wheelropes, the 2 outside wires of the wire wheel ropes, having been found broken at the nips of leader sheave, in deck. Steaming alone. Av. steam 71 lbs. Av. revs: 36.1 Set the clock ahead 9m at 11.5m.

J. T. Newton
Lieut. U. S. N.

Merid to 4 PM.

Clear fine weather, gentle to light breeze from S S W. At 1.40 sprung a leak in furnace No 1, & the boiler blew out. Hauled fires under that boiler and started fires under boiler "D" at 1.60. Set all f & aft sails at 1.15. At 2.40 stopped the engines. Ships under f & aft sails at end of watch. Steering "full and by" Aver. steam 42 lbs; revs: 34.

W. Reynolds Fulton
Ensign U. S. N.

4 PM to 6 PM.

Clouding over. Light breeze from S W. to S W by S. At 4.20 started ahead under steam & f. and aft sails on a course of S by E, letting the ships fall off to leeward within 1 point sufficiently to fill the fore and aft sails. At 5.15 mustered at quarters. Aver. steam 60 lbs; revs: 36.

Geo. F. W. Holman
Lieut U. S. N.

6 PM. to 8 PM.

Cloudy but pleasant. Light breeze from S W by S. to S by W. At 9 took in all sail & set course S by E. Steaming. Av. steam 70 lbs; revs: 39.7

[illegible]
Lieut. U. S. N.

8 PM to Mid.

Examined and found to be correct.

Pleasant. Cloudy, clearing latter part. Light to gentle breeze from S S W and S W. Clouds drifting to S & E. Swell from S E. Set fore & aft sail at 11.30. Aver. steam 60 lbs. Aver. revs: 38.1

J. T. Newton Navigator.
Lieut. U. S. N.

C. M. Emery
Ens & Nav

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At sea, making passage from New York to South Atlantic Station

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	7	0	1797.8	S by E ¾ E	SSW	1			30.43	79	77	73	77	b.c.	cir. cum	6	8
2	7	0	1805.0	"	"	1			30.41	79	77	73	77	"	"	6	"
3	6	8	1811.5	S by E	"	1			30.40	79	77	73	77	"	"	2	"
4	6	8	1818.1	"	"	1			30.40	79	77	73	77	"	"	2	"
5	6	5	1824.6	"	SW.	2			30.40	78	76	72	77	"	cir. cum cumulus	1	L
6	6	2	1830.4	"	"	2			30.44	77	76	72	77	"	"	1	"
7	6	2	1836.5	"	"	2			30.43	77	76	72	77	"	"	2	"
8	6	2	1842.7	"	"	1			30.43	78	77	73	77	"	"	1	"
9	6	3	1849.0	"	Calm	0			30.42	79	78	74	78	"	cir. str cum	6	"
10	6	3	1855.2	"	"	0			30.43	79	79	74	78	"	"	8	"
11	6	6	1862.0	"	"	0			30.43	79	79	74	78	"	"	8	"
Noon.	5	5	1867.1	"	"	0			30.43	80	80	74	78	"	"	8	"

Course and distance made good since preceding noon by observations, S 36° E 145 knots tenths.

Position at Noon:
- Latitude by D. R. — N 34 ° 14 ' "
- Longitude by D. R. — W 37 ° 51 ' "
- Latitude by observations of ⊙ — N 34 ° 08 ' "
- Longitude by chronometer from Forenoon Observations of ⊙ — W 37 ° 48 ' "

Position at 8 a. m.:
- Latitude by DR from Noon obs. ⊙ — N 34 ° 27 ' 42 "
- Longitude by Chro. — W 38 ° 04 ' 27 "

Position at 8 P. M.:
- Latitude by DR from Noon obs. ⊙ — N 33 ° 27 ' 18 "
- Longitude by Chro from P.M. obs. — W 37 ° 18 ' 21 "

Current during the time, 0 knots 3 tenths per hour, setting to the S 24° E

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8-32 Sun, " S x E W 22 ° 08 ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 315 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2120 "

Coal consumed during the preceding 24 hours, 7 tons 1040 lbs.

Coal remaining on hand at Noon, 73 " 140 "

P. M.																
1	6	8	1872.9	S by E.	x calm Variable	0-1			30.41	81	81	76	80	b.c.	cum	7	SL
2	6	1	1879.0	"	"	0-1			30.39	82	81	76	79	"	"	7	"
3	5	9	1884.9	"	"	0-1			30.39	82	81	76	79	"	"	7	"
4	6	0	1890.9	"	"	0-1			30.38	82	81	76	80	"	"	7	"
5	6	0	1897.1	"	SE.	2			30.39	80	80	75	80	"	"	6	"
6	6	4	1903.5	"	"	1			30.39	80	78	74	80	"	"	6	"
7	6	6	1910.	"	"	1			30.39	80	78	74	80	"	"	7	L
8	6	7	1916.5	"	"	1			30.40	81	79	75	80	"	"	7	"
9	5	6	1922.5	SSE.	ESE.	1			30.39	81	79	75	79	"	"	7	"
10	6	2	1928.6	"	"	2			30.39	80	77	74	79	"	"	7	"
11	6	5	1934.8	"	"	2			30.38	79	76	73	79	"	"	7	"
Mid.	7	2	1941.4	"	"	2			30.38	79	76	73	78	"	"	7	"

33-48
37-33

under the command of Commander A. S. Snow, U. S. Navy,
Sunday August 31st, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 AM.

Fair and pleasant. Light airs from SSW. Course S by E. Heavy long swell from Sd x Ed. Barometer steady. Average steam 65 lbs. Average revs. 38.6.

W Ray Mason Jr.
Ensign U. S. N.

4 AM to 8 AM

Cloudy, but pleasant. A few passing showers in sight. Long easy swell from the S x Ed Low aon. Light breeze to light airs from SW. Steering a course S by E. Aver. steam 64.5, revs 35.3.

Geo. H. Johnson
Lieut. U. S. N.

8 AM to Merid.

Clear x pleasant. Calm x very light "cats-paws" all around horizon. Smooth sea with long SEly swell. Steering course S by E under steam alone. Jos Mahoney (C.S.) was released from confinement x restored to duty by order of Comdg. Officer. At 9.30 mustered at quarters x Comdg. Officer inspected ships and Crews. Aver. steam 63 lbs; revs 36.7. At 8.20 took in all f x a. sails.

F. M. Symmes
Lieut. U. S. N.

Merid to 4 PM.

Bright and warm, calms and variable light airs mostly from Nd x Ed. Three rain squalls visible to Nd x Ed. during watch. Long swell from SE. Barometer fell .05. Steam alone. Aver. steam press. 68 lbs. Aver. revs. 35.9.

J. J. Newton
Lieut. U. S. N.

4 PM to 6 PM.

Clear fine weather, light breeze to light airs from SE, Course S by E. Very heavy swell from S x Ed. Set all fore x aft sails, but took in mizzen topmast staysail on account of chafing. Average steam 76½ lbs. Aver. revs. 37. Sighted several sails during watch.

W Ray Mason Jr.
Ensign U. S. N.

6 PM to 8 PM.

Clear and pleasant. Light airs from SE. Long swell from SE. Ship rolling easily. Steering a course S by E. Average steam 71. Aver. revs 37.8.

Geo. H. Johnson
Lieut. U. S. N.

8 PM to Mid

Clear and pleasant. Bright moonlight. Very light airs to light breeze from E & SE. Smooth sea with long SE'ly swell. Ship rolling easily. Set all fore x aft sails. Av. steam 67 lbs; revs. 37.2

Examined and found to be correct.

F. M. Symmes
Lieut. U. S. N.
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At sea, making passage from New York to South Atlantic Station

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	7	1	1948.5	SSE.	ENE	3			30.35	78	75	73	78	b.c.	cum. nimb	6	28.
2	6	5	1955.0	"	"	3			30.33	78	75	72	78	"	"	6	"
3	7	0	1962.0	"	"	3			30.32	77	75	72	78	"	"	6	"
4	6	5	1968.5	"	"	3			30.32	77	75	72	78	"	"	6	"
5	7	0	1975.5	"	E by N	3			30.32	77	75	72	78	"	cir. cum	9	"
6	7	0	1982.5	"	"	3			30.32	77	74	72	78	"	"	9	M
7	7	2	1989.7	"	East	3			30.33	77	75	73	78	"	"	8	"
8	7	8	1997.4	"	"	3			30.34	77	76	73	78	"	"	8	"
9	7	4	2005.0	SbyE	"	2			30.32	77	76	73	79	"	cum	8	"
10	4	9	2009.9	SSE.	EbyN.	2			30.31	76	76	72	79	"	"	8	"
11	3	4	2013.2	"	ENE.	2			30.30	76	75	72	79	"	"	8	"
Noon.	2	7	2015.8	"	"	2			30.30	76	75	73	79	"	"	8	"

Course and distance made good since preceding noon by observations, S 41° E 159 knots. tenths.

Position at Noon:
- Latitude by D. R. — N 32 ° 14' "
- Longitude by D. R. — W 35 ° 51' "
- Latitude by observations of ⊙ — N 32 ° 09' "
- Longitude by chronometer from Forenoon Observations of ⊙ — W 35 ° 43' "

Position at 8 a. m.
- Latitude by dr from mer alt-⊙ — N 32 ° 28' 20"
- Longitude by Chro. — W 36 ° 03' 37"

Position at 8 P. M.
- Latitude by dr from mer alt-⊙ — N 31 ° 46' 56"
- Longitude by Chro from P.m. obs. — W 35 ° 35' 18" Venus 7 P.m.

Current during the time, 0 knots 3 tenths per hour, setting to the S 54° E

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head — ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " — ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8-23 a.m. " S — W 21 ° 38' "

Variation of the Compass by Azimuth ⊙ observed at " — ° ' "

Water expended during the preceding 24 hours, 312 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1828 "

Coal consumed during the preceding 24 hours, 6 tons 560 lbs.

Coal remaining on hand at Noon, 66 " 1820 "

P. M.																	
1	3	6	2019.5	SSE.	ENE.	2	2	—	3029	77	76	73	79	b.c.	cum	8	M
2	3	8	2023.3	"	"	3	2	—	30.27	77	76	73	79	"	"	8	"
3	3	5	2026.6	"	"	2	2	—	30.27	77	76	74	79	"	"	8	"
4	4	2	2030.6	"	"	3	2	—	30.26	77	76	74	79	"	"	8	"
5	4	7	2034.75	"	"	3	2	—	30.25	76	76	73	77	"	cum. nimb	6	"
6	4	3	2039.0	"	"	3	2	—	30.25	76	75	73	77	"	"	5	"
7	4	6	2043.¼	"	EbyN	3	2	—	30.24	76	75	73	77	"	"	5	"
8	5	0	2048.5	SbyE ½ E	"	3	2	—	30.24	76	75	73	77	"	"	5	"
9	5	0	2053.3	SbyE ¾ E	"	3	2	¼	30.26	77	75	73	76	"	cum	7	"
10	5	1	2058.6	SSE	ENE.	3	2	¼	30.26	77	75	73	76	"	"	7	"
11	5	3	2063.5	"	"	3	2	—	30.24	77	75	72	77	"	"	7	"
Mid.	5	0	2068.5	SbyE ¾ E	EbyN	3	2	¼	30.23	77	75	73	77	"	"	6	"

31-3·9
33-47

under the command of Commander A. S. Snow, U. S. Navy,

Monday September 1st, 18 90.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid. to 4 AM.

Clear and pleasant, bright moonlight. Barometer falling. Gentle breeze from ENE. Course SSE. Fore & aft sail; foresail from 2. till 3.30 and steam. Steam 7 lbs. Revs: 40.3

Geo J Newton
Lieut. U. S. N.

4 AM to 8 AM.

Clear fine weather, gentle breeze from E by N. and E. Sewed mattress covers. Course SSE. Ship under steam and fore and aft sails. At 4.30 set fore sail & at 7.30 made plain sail to royals, and gave orders to let the fires die out. Hauled down main & mizzen topmast staysails: Aver. steam 7 lbs. Aver. revs. 39.6.

W Roy Mason Field
Ensign U. S. N.

8 AM to Merid.

Clear and pleasant. Light breeze from E. to ENE. At 9.25 stopped the engines and uncoupled the propeller. At 9.30 mustered at quarters and had battalion drill. At 10.30 set the main and mizzen topmast staysails: Steering full and by first half hour and on course SSE. after. The Comdg. Officer awarded the following punishment: Fk. Wilson (Sea) Absent when Life boats crew was mustered — 4 hrs: extra duty at wheel. Wm Behn (Pt M.) Not getting his hair cut, when ordered to do so. — reduced to 4th class for 2 months. Hauled fires at 10.30.

Geo Lee Colman
Lieut. U. S. N.

Merid to 4 PM.

Clear and pleasant. Light to gentle breeze from ENE. Moderate sea with E'ly swell. Lowered smoke stack. Course SSE.

[illegible]
Lieut U. S. N.

4 PM to 6 PM.

Cloudy and pleasant. Barometer steady, gentle breeze from ENE. Two rain squalls passed ahead.

Geo Newton
Lieut. U. S. N.

6 PM to 8 PM.

Clear fine weather, gentle breeze from E by N. Course SSE. Stowed main topmast staysail. Two rain squalls passed the ship astern.

W Roy Mason Field
Ensign U. S. N.

8 PM to Midnight.

Clear and pleasant. Gentle breeze from ENE. and E by N. Steering full and by, making course SSE when possible Moon rose at 8. 19

Examined and found to be correct.

Geo Lee Colman
Lieut. U. S. N.
G. K. Curtis Jr. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At sea, making passage from New York to South Atlantic Station

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	5	3	2073.8	S by E ¼ E	E by N	4	3	¼	30.21	77	75	73	77	b.c.	cum	6	M
2	5	6	2079.1	S by E	East	4	3	¼	30.20	77	75	72	77	"	"	6	"
3	6	4	2085.5	"	"	4	3	¼	30.18	77	74	72	77	"	"	6	"
4	6	0	2090.9	"	"	4	3	¼	30.17	77	74	72	77	"	"	8	B.M.
5	5	1	2096.0	"	E ¼ E to E by S	3-4	5	¼	30.17	77	74	73	76	"	"	8	"
6	5	4	2101.4	South	E by S	3-4	5	¼	30.18	76	74	72	76	"	"	7	"
7	6	0	2107.4	S ¼ W	"	4	5	¼	30.19	77	75	73	76	"	"	7	"
8	5	6	2113.	S ½ E	"	4	5	¼	30.19	77	75	73	76	"	"	5	M
9	7	0	2119.	S by E	"	3-5	5	¼	30.22	77	74	73	76	b.c.q	"	5	"
10	6	5	2125.	S S E	"	4	5	¼	30.21	76	74	72	76	b.c	"	5	"
11	5	0	2130.2	"	"	4	5	¼	30.21	76	75	73	76	"	"	5	"
Noon.	4	5	2133.9	"	"	4	5	¼	30.19	76	75	73	76	"	"	5	"

Course and distance made good since preceding noon by observations, S 26° E 112 knots. tenths.

Position at Noon:
- Latitude by D. R. N 30 ° 30 ' 14 "
- Longitude by D. R. W 34 ° 17 ' 43 "
- Latitude by observations of ⊙ N 30 ° 27 ' 41 "
- Longitude by chronometer from Forenoon Observations of ⊙ W 34 ° 45 ' 27 "

Position at 8 a. m.
- Latitude by D.R. from mer alt - ⊙ N 30 ° 45' 05"
- Longitude by Chro W 35' ° 01 ' 5-1 "

Position at 8 P. M.
- Latitude by D.R. from mer alt - ⊙ N 29 ° 5-6 ' 35-"
- Longitude by Chro from P.M. obs ⊙ W 34 ° 35' 5-4 "
- " " " " obs Venus W 34 - 38 21

Current during the time, / knots — tenths per hour, setting to the S 84° W

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at 4-14 P.m. " S S E W 21° 13 ' "

Water expended during the preceding 24 hours, 298 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1530 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 66 " 1420 "

P. M.																	
1	5-	0	2138.0	S S E ½ E	E S E	4	5-	½	30.18	76	75	73	77	b.c.q.	cum	5	M.L.
2	4	9	2142.5	South	"	4-3	4	½	30.18	75	73	72	77	"	"	4	"
3	4	8	2147.3	S ¾ E	"	3	3	½	30.16	75	74	72	76	"	"	5	"
4	4	6	2152.7	S by E ½	E by S	3	3	½	30.16	76	74	72	76	b.c.	"	6	"
5	4	4	2155.1	S S E.	E by N	3	3	½	30.16	76	73	72	76	"	"	6	M.B.
6	4	6	2159.2	South	S E by S	3	3	½	30.16	75	73	72	76	b.c.q	"	6	"
7	3	6	2162.8	"	E by S	3	3	½	30.17	77	74	73	76	b.c	"	8	B.M.
8	3	7	2166.5	S ½ E.	"	3	3	½	30.18	78	74	72	77	"	"	8	"
9	3	0	2169.5	E N E	S E	3	—	—	30.22	78	74	72	77	b.c.q.	cum.nim	6	"
10	1	0		N E.	"	1	4	—	30.20	78	76	73	76	"	"	5	"
11	1	0	2170.75	"	"	1	4	—	30.20	78	74	72	76	"	"	5	"
Mid.	1	0		E N E	"	2	3	—	30.20	78	74	72	75	"	"	2	"

30-11
34-43

under the command of Commander A. S. Snow, U. S. Navy,

Tuesday September 2nd, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Midnight to 4 AM.

Clear, bright moon light. Moderate breeze from E by N. to East. Moderate sea, Steering "full and by"

Wm. F. Harrison
Lieut U. S. N.

4 AM to 8 AM

Clear and pleasant, cloudy at times; Barometer rising slowly. Wind gentle to moderate from ENE to E by S. Irregular moderate sea, chiefly from SE. Set staysails.

J. J. Knowlton
Lieut. U. S. N.

8 AM to Merid

Clear generally, with squalls passing around horizon. A heavy rain & wind squall at 9.00. Shortened sail to topsails. Moderate breeze from E by S. Mustered at quarters and exercised at divisional routine drills; afterwards called away armed boats; mustered and stationed the crews. Airied sails of 2nd Cutter & Sailing Launch. Course SSE. Took in main & mizzen top. mast staysails. Barometer falling slowly. Sea moderate and wind very puffy at times. Ships rolling deeply at times, but easily.

W Ray Maxfield
Ensign U. S. N.

Merid to 4 PM.

Clear with several passing rain squalls in sight. Gentle breeze from ESE to E by S with a moderate squall first part of watch and wind irregular in force throughout. Moderate sea with short deep swell from SE. Steering "full and by" up to a course of S E by S. The following provisions were condemned by the Quarterly Board of Survey and on their recommendation were thrown overboard by order of the Comdg. Officer:—48 lbs. codfish, 8 lbs. roast mutton & 12 lbs. turnips vegetables.

Geo. H. Holloway
Lieut. U. S. N.

4 to 6 PM.

Partly cloudy, squally unsettled weather. Gentle breeze from E by N first hour shifting to SE by S in a light squall at 5.30. Moderate sea with broken swell. Mustered at quarters at 5.20. Steering full and by

Wm. F. Harrison
Lieut U. S. N.

6 PM to 8 PM.

Clear pleasant, clouding over to windward at end of watch, barom. rising slowly. Gentle breeze from E by S. Sea irregular, swell chiefly from SE.

J. J. Knowlton
Lieut. U. S. N.

8 PM to Mid.

Examined and found to be correct

Partially clear but very heavy rain clouds all around. Light airs from SE. At 8.45 pd sail & at 9.00 wore ship. At 10.00 moderate windsquall. At 11.30 Made sail. Hauled in P. L. from 11 to 12 o'clock.

W Ray Maxfield
Navigator
Ensign U. S. N.

L. K. Reynolds
Lieut. & Nav.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At sea making passage from New York to South Atlantic Station

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	Air, Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	1	0	2170.7	NE ½ E.	SE by E	1	—	¾	30.18	77	74	72	77	o.c.	cum.strat	0	ML.
2	1	6	2170.7	NE by E ¼ E	"	2	1	¾	30.18	77	74	73	77	o.c. fs	"	0	"
3	1	9	2171.7	ENE.	SE	2	2	¾	30.18	77	74	73	77	b.c.	cum	1	"
4	2	5	2173.7	E by N.	SE by S	3	2	½	30.18	77	74	73	77	"	"	3	"
5	2	0	2175.3	E ½ N.	S by E	2	2	¾	30.19	76	75	73	76	"	cir.cum	6	SL
6	1	5	2175.3	"	"	1		¾	30.20	76	75	73	76	"	"	6	"
7	1	5	2175.4	"	"	1		¾	30.22	76	76	73	76	"	"	6	"
8	2	1	2176.3	ENE ½ E	SSE	2		¾	30.22	76	75	73	76	"	"	6	"
9	1	6	2176.6	E by N	"	2	1	¾	30.24	76	76	73	77	"	"	6	SL
10	1	5	2176.6	NE by E ¾ E	SE	1	2	¾	30.24	78	76	74	77	"	"	8	"
11	1	3	2177.7	SW by S.	"	2	3	¾	30.23	77	76	74	77	"	"	8	"
Noon.	2	3	2180.0	"	"	2-3	3	¼	30.23	77	76	74	77	"	"	8	"

Course and distance made good since preceding noon by observations, S 35° E 26 knots. tenths.

Position at Noon:
- Latitude by D. R. N 30 ° 08' "
- Longitude by D. R. W 34 ° 11' "
- Latitude by observations of ⊙ N 30 ° 06' "
- Longitude by chronometer from Forenoon Observations of ⊙ W 34 ° 28' "

Position at 8 a. m.
- Latitude by DR from noon obs - ⊙ N 30 ° 07' 05" "
- Longitude by Chro. W 34 ° 28' 57 "

Position at 8 P. M.
- Latitude by DR. from noon obs - ⊙ N 29 ° 52' 29 "
- Longitude by Chro from P.M. obs W 34 ° 32' 34 "

Current during the time, —— knots 6 tenths per hour, setting to the W 7° S

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8-19 Am " E ½ E W 22 ° 07' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 310 gallons.

Water Distilled during the preceding 24 hours, 60 "

Water remaining on hand fit for use at Noon, 1280 "

Coal consumed during the preceding 24 hours, tons 1760 lbs.

Coal remaining on hand at Noon, 65 " 540 "

P. M.																	
1	3	0	2183.25	SSW ½ W.	SE.	2	3	¼	30.24	77	75	73	77	b.c.	cir.cum	8	SL
2	3	0	2186.75	"	"	2	—	¼	30.23	77	75	73	77	"	"	8	"
3	2	5	2189.5	"	"	2	—	¼	30.22	77	75	73	77	"	"	8	"
4	2	5	2190.75	"	"	2	—	¼	30.22	77	75	73	77	"	"	8	"
5	1	0	2191.9	"	"	1	—	1	30.22	77	76	73	77	"	"	8	"
6	0	7	2191.9	"	"	1	—	1	30.23	77	76	74	77	"	"	8	"
7	0	6	2191.9	"	"	1	—	1	30.23	77	76	74	76	"	"	8	"
8	1	0	2192.2	"	"	1	—	1	30.24	78	76	73	76	"	"	5	"
9	1	0	2192.2	"	SE by E.	1	—	½	30.24	78	76	73	76	"	"	8	"
10	1	7	——	"	"	1	—	½	3024	78	76	73	76	"	"	8	"
11	2	0	2192.5	SSW.	ESE.	1-2	—	½	30.24	77	75	73	76	"	"	6	"
Mid.	2	0	2192.7	"	"	1-2	—	½	30.23	77	75	73	77	"	"	6	"

29-5-5
24-22

under the command of Commander A. S. Snow, U. S. Navy,

Wednesday September 3d, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 AM.

Overcast first part, clearing somewhat latter part. Light airs increasing in force to gentle breeze hauling from SE by E to SE by S. Several showers in sight, one passing over the ships at 2. Steering full and by.

Geo. W. Coleman
Lieut. U. S. N.

4 AM to 8 AM.

Fine pleasant weather. Light airs to light breeze from S by E. to S S E. Smooth sea, long SE'ly swell. Steering "full and by". At 7 set royals & flying jib. At 5.15 started fires in port forward boiler for distilling. Plain sail to royals except main sail.

F. H. Prince
Lieut. U. S. N.

8 AM to Merid.

Bright & pleasant, barometer steady. Light airs to gentle breeze from S S E and S E freshening at end of watch. Smooth sea long swell from S E. At 9.30 mustered at quarters. Drilled as follows: 1st Div. great guns: 2nd Div. machine guns: 3d Div. pistol firing at target. Mar. Div. Infantry. Powder Div. oral instruction. Marines instruction in bugle calls: The Comdg. Officer awarded the following punishments: Jos. Quigley (OS) Going below while on watch - Reduced to 4th Class & 24 hrs extra duty. R. J. Miller (Ls) Fighting & using profane language. 3 nights watch. H. Stevens (Apps) Disrespect to officer of deck in manner of passing hail. - 48 hrs extra lookout C. Boothby (OS) Passing hail improperly while at cat head. - 12 hrs extra lookout. At 9.55 commenced distilling. At 10.10 wore ship. At 10.30 on port tack heading S W by S. Course S E by S. Set clock ahead 6 ms at 11 o'clock.

J. T. Newton
Lieut. U. S. N.

Merid to 4 PM.

Clear fine weather, light breeze from S E. Course S E by S. Steering "full and by" Plain sails to royals except mainsail & main & mizzen topmast staysails. Exercised Powder Division at pistol target practice. Distilling.

W. R. Mason Field.
Ensign U. S. N.

4 PM to 6 PM.

Clear and pleasant. Light airs from S E. Ships barely keeping steerageway full and by on the port tack. At 5.15 mustered at quarters. Distilling.

Geo. W. Coleman
Lieut. U. S. N.

6 PM to 8 PM.

Clear and pleasant. Light airs from S E. "Full and by" with barely steerage way. Distilling.

F. H. Prince
Lieut. U. S. N.

8 PM to Midnight.

Clear and pleasant. Moon rose at 9.40. Light airs from S E by E. Light airs and light breeze from E S E. Smooth sea, long swell from E N E.

Examined and found to be correct. R. J. Miller (Ls) stood extra watch from 8 to 12 by order of Comdg. Officer. Distilling.

J. T. Newton
Lieut. & Navigator U. S. N.

[illegible]
Lieut. U. S. Navy

LOG of the UNITED STATES Steamer Essex, 3d Rate,

At-sea, making passage from New York to South Atlantic Station

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	1	2	2192.7	SSW½W.	ESE	1	3	½	30.24	77	75	73	75	b.c.	cir cum	8	2
2	1	0		"	"	1	—	—	30.24	77	75	73	75	"	"	8	"
3	1	0		S S W. ½ W	S E by E	1	—	—	30.24	77	75	73	75	"	"	1	"
4	1	0		S S W	"	1	—	—	30.24	77	75	73	75	"	"	1	"
5	1	0		"	"	1	—	2	30.24	77	75	73	75	o.c.	cum nimb.	0	"
6	1	0		"	"	1	—	2	30.25	77	75	74	76	b.c.	"	1	"
7	1	0		"	"	1	—	2	30.26	77	75	74	76	"	"	2	"
8	0	6		S S W	"	1	—	2	30.27	77	76	74	76	"	"	3	"
9	1	0		S by W	E by S	1	—	2	30.28	78	77	76	76	"	"	5	"
10	1	5		S ½ E	E SE	1	—	2	30.29	78	78	76	76	b.c.m.	cir. str	4	"
11	1	5		South	"	1	—	2	30.28	78	78	76	76	"	"	5	"
Noon.	1	5		"	"	1	—	2	30.28	79	78	76	76	"	"	5	"

Course and distance made good since preceding noon by observations, S 19° W 37 knots. tenths.

Position at Noon:
- Latitude by D. R. N 29 ° 33 ' 29 "
- Longitude by D. R. W 34 ° 31 ' 15 "
- Latitude by observations of ⊙ N 29 ° 30 ' 22 "
- Longitude by chronometer from Forenoon Observations of ⊙ W 34 ° 42 ' 03 "

Position at 8 a. m.
- Latitude by DR from noon alt-⊙ N 29 ° 35 ' 34 "
- Longitude by Chro W 34 ° 43 ' 27 "

Position at 8 P. M.
- Latitude by DR from noon alt-⊙ N 29 ° 30 ' 10 "
- Longitude by Chro from P.m. Obs. W 34 ° 47 ' 30 "

Current during the time, — knots 4 tenths per hour, setting to the S 19° W

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8-10 A.m. " S x W W 20 ° 27 ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 480 gallons.

Water Distilled during the preceding 24 hours, 1460 "

Water remaining on hand fit for use at Noon, 2340 "

Coal consumed during the preceding 24 hours, 1 tons 1040 lbs.

Coal remaining on hand at Noon, 63 " 1740 "

P. M.																	
1	0	5		S W by S	E S E.	1	—	¼	30.26	79	79	76	76	b.c.	cum	5	S S
2	0	5		S S W.	"	1	—	¼	30.25	79	79	76	76	"	"	5	"
3	0	5		"	"	1	—	¼	30.24	79	79	76	77	"	"	5	"
4	0	5		"	"	1	—	¼	30.24	80	80	77	78	"	"	6	"
5	0	5		E N E.	"	1	—	—	30.25	80	79	76	77	"	"	6	"
6	0	5		N N E.	"	1	—	2	30.26	80	79	76	77	"	"	6	"
7	0	5		N by E	"	1	—	2	30.27	79	79	76	77	"	cir. cum	2	"
8	0	5		"	"	1	—	2	30.28	79	79	76	77	"	cum nimb	5	"
9	0	0		Calm	Calm	1-0	—	0	30.28	80	79	77	76	"	"	4	"
10	0	0	2192.7	S E ¼ E	"	0-1	—	0	30.28	79	78	76	76	"	"	2	"
11	7	2	2200.0	"	"	0-1	—	0	30.28	79	78	76	77	o.c.m	cum	0	"
Mid.	7	5	2207.1	"	"	0-1	—	0	30.26	78	78	76	77	"	"	0	"

29-28
34-48

under the command of Commander A. S. Snow, U. S. Navy,

Thursday September 4th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 AM.

Clear then cloudy. Light airs from ESE. and SE by E. Course SE by S. Took in main & mizzen topmast stay sails. Sea smooth. Bar. steady. Distilling.

W Ry Mason Field.
Ensign U.S.N.

4 AM to 8 AM.

Clearing. Light airs from SE by E. Long smooth swell from ENE. Steering full and by on port tack with fore sail & trysail. Distilling.

Hugh W Holman
Lieut. U.S.N.

8 AM to Merid.

Clear overhead, hazy along horizon. Very light airs from E'ly. Smooth sea, with Wly swell. Steering full and by. At 9.30 mustered at quarters & exercised as for routine. Exercised 1st Div. at revolver target practice. Distilling.

F. W. Lee
Lieut. U.S.N.

Merid to 4 PM

Bright & warm, barometer steady, smooth sea. Long swell from ENE. Light airs from ESE.

J. Thevlon
Lieut. U.S.N.

4 PM to 6 PM.

Clear fine weather, light airs from ESE. Course SE by S. Full & by
Distilling

W Ry Mason Field.
Ensign U.S.N.

6 PM to 8 PM.

Cloudy & warm. Light airs from ESE. Long smooth swell from ENE. Steering full and by. At 6.30 started fires under the two after boilers. At 6.50 furled the light sails.

Hugh W Holman
Lieut. U.S.N.

8 PM to Midnight.

Cloudy & hazy. Calm & very light SE'ly airs. Smooth sea. At 9.30 engines reported ready, furled topsails & forsail and started ahead on course SE 1/4 E (p.s.c) put on patent log reading 2192.7. At 10.15 took in fore and aft sails. Average steam press. 69 lbs. Revs. 40.3 Stopped distilling at 10.

F. W. Lee
Lieut. U.S.N.

Examined and found to be correct.

Le. K. Lewis
Lieut - Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At sea, making passage from New York to South Atlantic Station

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	7	5	2214.0	SE 1/4 E	SE by S	1			30.25	78	78	76	77	o.c.	cir. cum	0	S
2	6	9	2220.6	"	"	1			30.24	78	78	75	77	b.c.	"	1	"
3	6	6	2226.8	"	SE by E	3			30.23	78	77	76	77	"	"	1	"
4	6	2	2232.6	"	E S E	3			30.22	78	76	74	77	o.	"	1	"
5	5	8	2238.5	"	E by S	2			30.24	77	76	74	77	o.c.	"	0	"
6	6	0	2244.7	"	S.S.E.	2			30.25	77	75	78	77	"	"	0	"
7	6	5	2251.	"	South.	2			30.26	76	75	74	77	b.c.	cum nimb strat	1	"
8	6	4	2257.5	"	S S E.	2			30.26	77	76	75	77	"	cir cum	2	"
9	6	4	2263.5	"	E S E.	2			30.26	78	76	75	77	"	nimb.	2	"
10	6	2	2269.7	"	S S E.	1			30.27	78	77	75	77	"	"	8	"
11	5	8	2275.5	"	SE by E	3			30.26	78	77	75	77	"	"	6	"
Noon.	6	4	2280.3	"	"	3			30.25	78	77	75	76	"	"	5	"

Course and distance made good since preceding noon by observations, E 28° S — 77 knots — tenths.

Position at Noon:
- Latitude by D. R. — N 28° 52' 34"
- Longitude by D. R. — W 33° 11' 15"
- Latitude by observations of ⊙ — N 28° 54' 58"
- Longitude by chronometer from Forenoon Observations of ⊙ — W 33° 24' 10"

Position at 8 a. m.:
- Latitude by D.R. from mer alt-⊙ — N 29° 04' 38"
- Longitude by chro — W 33° 47' 5-8"

Position at 8 P. M.:
- Latitude by D.R. from mer alt-⊙ — N 28° 33' 56"
- Longitude by chro from P.M. obs. — W 32° 32' 54"

Current during the time, —— knots 5 tenths per hour, setting to the W 12° N

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head — ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " — ° ' "

Variation of the Compass by Azimuth ⊙ observed at " — ° ' "

Variation of the Compass by Azimuth ⊙ observed at " — ° ' "

Water expended during the preceding 24 hours, 368 gallons.

Water Distilled during the preceding 24 hours, 878 "

Water remaining on hand fit for use at Noon, 2700 "

Coal consumed during the preceding 24 hours, 5 tons 2160 lbs.

Coal remaining on hand at Noon, 57 " 1820 "

P. M.																
1	6	2	2285.9	SE 1/4 E	SE.	3	30.24	77	76	74	76	b.c.	circum	2	S
2	6	4	2291.4	"	"	3	3023	77	76	73	76	o.c. p.m.	nimb	0	"
28-48 32 58 3	6	4	2297.7	"	"	1	30.20	77	76	73	76	"	"	0	"
4	6	4	2303.4	"	East.	1	30.20	77	76	74	76	o.c.	"	0	"
5	6	2	2309.6	"	Variable	1-2	30.20	76	75	74	76	"	"	0	"
6	5	9	2315.5	"	SE by E	1-2	30.21	75	73	72	76	o.c.	"	0	"
7	6	4	2322.0	"	S by E	2	30.22	74	73	72	76	o.c.	"	0	"
8	6	6	2328.2	"	"	2	30.23	76	74	73	76	b.c.	"	4	"
9	6	4	2334.0	"	SSE.	1	30.23	78	76	74	75	"	cum nimb.	5	"
10	6	4	2340.0	"	"	3	30.23	78	75	73	75	"	"	6	"
11	6	7	2346.3	"	South	3	30.22	77	75	72	75	"	"	6	"
Mid.	7	0	2353.3	"	S by E.	2	30.21	77	75	72	75	"	"	8	"

under the command of Commander A. S. Snow, U. S. Navy,
Friday September 5th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid. to 4 AM.
Cloudy and overcast. Occasional moonlight. Barometer falling slowly. Wind light airs to gentle breeze veering gradually from S E by S to E S E. Smooth sea, swell from E N E. Steam alone. Av. steam. 70. 5: revs: 38.1
J. Wheeler
Lieut. U. S. N.

4 AM to 8 AM.
Overcast, then clearing, light breeze from S to S S E. Course S E 1/4 E. Sea smooth. Barometer steady. Aver steam 71 lbs; revs: 37.
W Ray Mason Field.
Ensign U. S. N.

8 AM to Merid.
Clear and pleasant. Light airs to gentle breeze from S S E. to S E by E. Steering a course S E 1/4 E. At 9.30 exercised at general quarters: 1st Div. 3 m. 5 s; 2nd Div. 2 m. 20 s; 3d Div. 1 m. 5 s; Marg Div. 2 m. 40 Powder Div. 2 m. Tested magazine flood cocks and the life buoys: Aver. steam 68 lbs: Average revs: 35.5
Geo. W. Holman
Lieut. U. S. N.

Merid to 4 p.m.
Cloudy & hazy. Gentle breeze to very light airs from S E to N E. Smooth sea. Set and took in fore & aft sails as per change of wind. Steam & fore and aft sails at ends of watch. Steam 70 lbs: Revs: 34.6.
J. Harrison
Lieut. U. S. N.

4 pm. to 6 pm.
Overcast. Light breeze from S W. S E by E. and S. Raining after 5.20 Took in fore and aft sails: Aver. steam 70 lbs: Aver. revs: 35.
C. Trenchard
Lieut. U. S. N.

6 to 8 p.m.
Overcast at first then clearing up. Light breeze from S by E. Course S E 1/4 E. Av. steam 70 lbs: Av. revs: 34 1/2
W Ray Mason Field.
Ensign U. S. N.

8 p.m. to Mid.
Clearing weather. Light airs to gentle breeze from S. to S S E. Steering a course S E 1/4 E. At 9 took in fore and aft sails: At 10.15 set fore and aft sails: except fl. jib and main & mizzen topmast staysail s: Aver. steam 69 lbs: Aver. revs: 35.5
Geo. W. Holman
Lieut. U. S. N.

Examined and found to be correct.

M. M. Lemly
Lieut - Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

At sea, making passage from New York to South Atlantic Station

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	7	0	2359.7	SE¼E	South	2			30.20	77	74	73	77	b.c.	cum	6	8
2	7	0	2365.7	"	SE.	1			30.20	77	74	73	76	"	"	3	"
3	7	0	2372.0	"	"	0-1			30.19	77	74	73	76	"	cir. cum	1	"
4	7	0	2378.4	"	"	0-1			30.19	76	74	73	76	"	"	1	"
5	6	1	2384.5	"	Variable	1			30.16	76	75	73	76	"	cum str. nimb	1	"
6	6	5	2391.0	"	Calm	0			30.17	76	74	73	76	"	"	1	"
7	6	9	2397.9	"	South	1			30.19	74	73	72	76	o.d.	cum nimb.	1	"
8	6	8	2404.6	"	SW.	3			30.21	75	72	71	76	b.c.	"	1	"
9	5	3	2411.7	SE by S.	"	3			30.24	74	72	70	76	o.c.m	"	0	"
10	7	3	2419.0	"	"	3			30.25	74	73	71	75	b.c.	"	3	"
11	7	1	2426.0	"	SSE.	1			30.22	76	75	72	75	o.c.d	"	0	"
Noon.	7	2	2431.4	"	"	1			30.24	76	75	73	78	o.c.	"	0	"

Course and distance made good since preceding noon by observations, E 26° S 15.7 knots. tenths.

Position at Noon:
- Latitude by D. R. — N 27 ° 46' 20"
- Longitude by D. R. — W 30 ° 50' 46"
- Latitude by observations of ⊙ — N 27 ° 46' 58"
- Longitude by chronometer from Forenoon Observations of ⊙ — W 30 ° 44' 02"

Position at 8 a. m.
- Latitude by D.R. from Mer alt ⊙ — N 28 ° 00' 58"
- Longitude by Chro — W 31 ° 09' 02"

Position at 8 P. M.
- Latitude by D.R. from Mer alt ⊙ — N 27 ° 06' 34"
- Longitude by Chro from P.m. obs — W 29 ° 52' 09"

Current during the time, —— knots .25 tenths per hour, setting to the E 4° S

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head — ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " — ° ' "

Variation of the Compass by Azimuth ⊙ observed at " — ° ' "

Variation of the Compass by Azimuth ⊙ observed at 4-06 P.m. " SSE. — W 20 ° 42' "

Water expended during the preceding 24 hours, 315 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2385 "

Coal consumed during the preceding 24 hours, 7 tons 1040 lbs.

Coal remaining on hand at Noon, 30 " 780 "

P. M.																
1	7	0	2437.8	SE by S.	SSE	1			30.24	77	76	73	76	b.c.	cum nimb.	3	8
2	7	2	2444.5	SSE	SbyW.	2			30.22	76	76	73	76	"	"	5	"
3	7	3	2457.5	"	"	2			30.21	77	76	73	76	"	"	5	"
4 (27-26 30-12)	7	5	2458.3	"	SSE	2			30.21	77	76	73	77	"	cum strat	8	"
5	7	4	2464.7	"	SbyE	1			30.21	77	76	73	77	"	"	6	8
6	7	2	2471.2	"	"	1			30.22	76	75	73	75	"	"	6	"
7	7	1	2477.3	"	WNW.	1			30.23	76	75	73	75	"	"	5	"
8	7	1	2483.8	"	"	1			30.23	77	75	73	75	"	str. cu	8	"
9	6	5	2490.0	"	South	1			30.25	77	75	73	75	b.	clear	10	"
10	7	0	2496.7	"	"	1			30.26	77	75	72	75	"	"	10	"
11	6	8	2503.2	"	"	1			30.26	76	75	72	75	"	"	10	"
Mid.	6	8	2509.5	"	SSE.	1			30.25	75	74	72	75	"	"	10	"

under the command of Commander A. S. Snow, U. S. Navy,

Saturday September 6th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 a.m.

Generally cloudy with frequent short intervals bright moonlight. Very light breeze first hour from S. Very light SE'ly airs last three hours. Sea smooth. Took in fore and aft sails at 1.30. Steaming course SE ¼ E (pc) Aver. steam 70.5 lbs: Aver. revs: 35.5

F. F. Wilcox
Lieut. U.S.N.

4 to 8 a.m.

Overcast. Drizzling from 6 till 6.30 Winds variable and light till 6.30, when it came from S gradually veering to SW. at end of watch and increasing from 1 to 3. Barometer fluctuating. Av. steam 70½ lbs: Av. revs 36½. Set fore and aft sails except main and mizzen topmast staysails and fl. jib at 6.30.

J. Newton
Lieut. U.S.N.

8 am. to Merid.

Generally overcast, gentle breeze from SW. and light airs from SSE. Course SE ¼ E. until 8.45 when it was changed by order of Comdg. Officer to SE. by S. Ship under steam & fore & aft sails. Set and took in fore & aft sails. Mustered at quarters and exercised at fire quarters. 1st stream 2m 20sec; 2nd stream 2m 25sec; 3d stream 3.m 00sec. 4th stream 3m 50sec; Piped up bags: Barometer steady. Called all hands abandon ship & provided boats: Aver. steam 70 lbs: Aver. revs: 39.

W Ry Mason-Field.
Ensign U.S.N.

Merid to 4 p.m.

Clearing weather. Light airs to light breze from S by W to SSE. At 1 changed course to SSE. By order of Comdg. Officer M. Amunson (C.G.) was dispated to Seaman for disobedience of orders and for being disputatious and argumentative and Fred Johnson (Sea) was rated (Capt. C.G.) At 3. took in fore and aft sails. Aver. steam 70 lbs: revs: 37.8

Geo. F. W. Holman
Lieut. U.S.N.

4 to 6 p.m.

Clear & pleasant weather. Very light air from S by W to SSE. Sea smooth, with long swell from SE. Aver. steam 70 lbs: Aver. revs: 36.8

F. F. Wilcox
Lieut. U.S.N.

6 to 8 p.m.

Clear and pleasant. Light airs from WNW. Barometer rising slowly. Smooth sea, long swell from SE. Aver. steam 68 lbs: Aver. revs 36.2

J. Newton
Lieut. U.S.N.

8 p.m to Mid.

Examined and found to be correct. Clear and pleasant. Light airs from S. to SSE. Course SSE. Ships under steam alone. Long swell from NE. Smooth sea. Aver. steam 70 lbs: revs: 37.6.

W Ry Mason-Field.
Ensign U.S.N.
Navigator.

L. R. Sumner
Lieut-U.S.Navy.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At sea, making passage from New York to South Atlantic Station

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	7	4	2516.0	SSE	SSE	1			30.22	76	74	72	74	b.c.	cum. str.	9	S
2	7	4	2522.3	"	"	1-2			30.21	76	74	71	74	"	cum nimb	8	"
3	7	2	2529.3	"	"	2-1			30.20	76	74	71	74	"	"	7	"
4	7	1	2535.3	"	"	2-1			30.20	76	74	71	74	"	"	8	"
5	7	0	2541.	"	"	1			30.20	75	74	71	74	"	"	7	"
6	7	0	2548.	"	"	1			30.22	74	74	71	74	"	"	5	"
7	6	6	2554	"	"	1			30.23	75	74	72	74	"	"	7	"
8	6	5	2560.3	"	"	1			30.24	75	74	72	74	"	"	8	"
9	3 6	6	2566.8	SSE by E.	East	2			30.25	75	73	71	74	"	cir. cum	8	"
10	7	3	2574.	S 1/4 E	"	2			30.25	75	73	71	74	"	"	8	"
11	7	0	2580.3	"	SE by E	2-3			30.25	75	73	71	74	"	"	8	"
Noon.	5	7	2586.0	"	"	2			30.25	75	73	70	74	"	"	8	"

Course and distance made good since preceding noon by observations, S 41° E 16.1 knots tenths.

Position at Noon:
- Latitude by D. R. — N 25°42' 5.8"
- Longitude by D. R. — W 28°48'38"
- Latitude by observations of ⊙ — N 25°44'41"
- Longitude by chronometer from Forenoon Observations of ⊙ — W 28°46'5.8"

Position at 8 a. m.:
- Latitude by D.R. from mer alt-⊙ — N 26°08'5.9"
- Longitude by Chro. — W 29°00'16"

Position at 8 P. M.:
- Latitude by D.R. from mer alt-⊙ — N 24°51'5.9"
- Longitude by Chro from P.m. obs. — W 28°26'12"

Current during the time, knots / tenths per hour, setting to the N 41° E

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8-19 A.m. " SSE W 21°35' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 289 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2096 "

Coal consumed during the preceding 24 hours, 7 tons 20 lbs.

Coal remaining on hand at Noon, 43 " 760 "

P. M.																	
1	6	8	2592.1	S 1/4 E	SE by E	2			30.25	75	73	71	75	b.c.	cum	6	S
2	7	0	2599.2	"	"	2			30.25	75	73	71	75	"	"	6	"
3	7	2	2606.2	"	"	2			30.24	75	73	71	75	"	"	6	"
4	7	2	2613.2	"	"	2			30.24	74	73	72	75	"	"	5	"
5	7	3	2620.3	"	"	3			30.23	74	73	71	75	"	cum nimb.	5	"
6	7	1	2627.3	"	"	3			30.24	74	73	71	75	"	"	6	"
7	7	4	2634.5	"	"	3			30.25	74	73	71	74	"	cum	8	"
8	7	8	2642.0	"	"	3			30.26	76	73	71	74	"	"	9	"
9	7	7	2649.3	"	ESE.	3			30.26	76	73	71	74	"	"	8	"
10	7	9	2656.8	"	"	3			30.26	76	73	71	74	"	"	8	"
11	7	9	2664.2	"	"	3			30.25	76	72	71	74	"	"	7	"
Mid.	8	0	2671.5	"	NE by E.	3			30.23	75	72	71	74	"	"	7	"

28-19
28-38

under the command of Commander A. S. Snow, U. S. Navy,

Sunday September 7th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Midnight to 4 a.m.

Clear and pleasant. Bright moonlight. Light airs to light breeze from SSE. A bank of clouds to the NE & E's moving with the wind. A large but thin patch of clouds formed overhead during the first hour and moved off with the wind. Easy swell from NE. Steering a course SSE. Av. steam 70 lbs: Revs: 36.1

Geo. F. W. Holman
Lieut. U. S. N.

4 to 8 a.m.

Clear and pleasant. Bright moonlight first part. Calm and very light S'ly airs. Smooth sea with long easy swell from NE. Course SSE. under steam. Aver. steam 70 lbs: Revs: 35.2

F. A. Wilner
Lieut. U. S. N.

8 am to Merid.

Bright and pleasant. Barometer steady. Light breeze at first from E. hauling to SE by E. between 9 and 11., varying from 2 to 3 in force. Smooth sea, swell chiefly from NE. At 8.30 set fore & aft sail: average course from 8.30 to 9 S by E. to allow fore & aft sails to draw. At 9 changed course to S ¼ E. At 9.30 inspected divisions at quarters. At 10 read the Articles for the Government of the United States Navy and held General Muster. Aver. steam 70 lbs. Aver. revs: 37.3. Set the clock ahead 11 min. between 11 & 12.

J. J. Newton
Lieut U. S. N.

Merid to 4 p.m.

Clear and pleasant light breeze from SE by E. Course S ¼ E. Set fore sail at 3.30. Ship under steam and fore and aft sails: Sea smooth Aver. steam 70/2 lbs. Aver revs: 37.0

W. Ray Mason Gill
Ensign U. S. N.

4 to 6 p.m.

Clear and pleasant. Gentle breeze from SE by E. Steering a course S ¼ E. Aver. steam 70 lbs: Aver. revs: 37.9

Geo. F. W. Holman
Lieut. U. S. N.

6 to 8 p.m.

Clear and pleasant. Gentle breeze from SE by E. Smooth sea Course S ¼ E. Under steam and fore & aft sails & fore sail. Average steam 70 lbs: Aver. revs: 39.2

F. A. Wilner
Lieut. U. S. N.

8 p.m. to Midnight.

Clear and pleasant. Barometer falling slowly. Gentle breeze from ESE & NE by E. Smooth sea. Set square sail at 11.30 Av. steam 70 lbs: Aver. revs: 40.6.

J. J. Newton
Lieut. U. S. N.

Examined and found to be correct.

W. K. Newton
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At sea, making passage from New York to South Atlantic Station

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	7	7	2679.2	S ¼ E.	East	4			30.24	76°	72	71	75°	b.c.	cum	8	S
2	9	0	2687.8	"	E by S.	4			30.23	74	72	71	75°	"	"	8	"
3	8	8	2696.2	"	"	4			30.22	74	72	70	75°	"	"	8	"
4	8	5	2704.4	"	"	4			30.21	74	72	71	76°	"	cum	4	"
5	9	1	2713.0	"	"	4	5°		30.19	74	72	71	75°	"	cum strs	6	"
6	8	9	2721.5	"	"	4	5		30.20	74	72	71	75°	"	cum nimb str.	5	"
7	9	5	2730.8	"	"	4-5	7		30.21	74	72	71	75°	b.c.d.	"	6	"
8	9	3	2739.6	"	"	4	6		30.22	74	73	70	74	b.c.	"	4	"
9	9	2	2747.7	"	"	4	6		30.24	74	73	71	74	"	cum.	7	m
10	9	2	2756.4	"	"	4	6		30.26	75°	73	72	74	"	cum str.	6	"
11	8	8	2764.0	"	"	4	6		30.24	75°	74	71	74	"	"	6	"
Noon.	7	6	2770.9	"	"	4	6		30.22	75°	73	71	74	"	"	6	"

Course and distance made good since preceding noon by observations, S 21° E 190 knots. tenths.

Position at Noon:
- Latitude by D. R. N 22 ° 45' 29"
- Longitude by D. R. W 27 ° 25' 28"
- Latitude by observations of ⊙ N 22 ° 46' 38"
- Longitude by chronometer from Forenoon Observations of ⊙ W 27 ° 33' 30"

Position at 8 a. m.
- Latitude by D.R. from noon obs. ⊙ N 23 ° 18' 56"
- Longitude by Chrs W 27 ° 48' 06"

Position at 8 P. M.
- Latitude by D.R. from noon obs. ⊙ N 21 ° 45' 26"
- Longitude by Chrs from P.m. obs W 27 ° 16' 00"

Current during the time, knots 3 tenths per hour, setting to the W 9° N.

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8-19 Am " S ¼ E W 19 ° 53' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 300 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1796 "

Coal consumed during the preceding 24 hours, 7 tons 2000 lbs.

Coal remaining on hand at Noon, 35 " 1000 "

P. M.																	
1	8	4	2778.2	S ¼ E.	E by S.	4	5°	30.19	76	73	71	74	b.c.	cum. str.	6	M
2	8	4	2786.5	S ½ E.	East.	4	5°	30.16	76	73	71	74	"	"	6	"
3	8	5°	2794.6	"	"	4	5°	30.15°	76	74	72	74	"	"	6	"
4	8	6	2803.0	"	E ¼ E.	4		30.12	76	73	72	74	"	"	7	"
5	8	8	2811.3	"	"	5°	5°	30.13	75°	73	72	74	"	"	6	"
6	9	0	2820.2	"	"	5°	5°	30.12	75°	73	71	74	"	"	1	"
7	8	8	2828.9	"	"	5°	5°	30.12	75°	73	71	74	"	"	3	"
8	9	3	2838.0	"	"	5°	5°	30.14	75°	73	72	74	"	"	5°	"
9	9	5°	2847.0	S ¾ E.	"	5°	5°	30.14	75°	73	72	74	"	"	5°	"
10	9	5°	2856.5°	"	"	5°	5°	30.15°	75°	73	72	74	"	"	5°	"
11	9	6	2866.0	"	"	5°	5°	30.15°	74	73	72	74	"	"	5°	"
Mid.	9	6	2874.2	"	"	5°	5°	30.14	74	73	72	74	"	"	5°	"

22-17
27-26

under the command of Commander A. S. Snow, U. S. Navy,
Monday September 8th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 a.m.

Clear fine weather. Moderate breeze from E x E by S. Course S ¼ E. Took in flying jib x main x mizzen top mast staysails. Sea smooth. Aver. steam 70 lbs. Aver. revs. 43

W Ray Mason Fuld
Ensign U. S. N.

4 to 8 a.m.

Fair. Moderate breeze from E by S increasing in force during the third hour to stiff breeze. Steering a course S ¼ E. At 4.45 found the fore royal torn in setting. Sent down the fore royal yard and unbent the sail for repairs. At 6.45 hoisted up spanker. At 7 furled topgallant sails. Av. steam 70 lbs. Av. revs. 37.8

Geo. W. Holman
Lieut. U. S. N.

8 a.m. to Merid.

Fair x pleasant weather. Moderate breeze from E by S. Moderate sea At 9.30 inspected at quarters x had battalion drill. The following punishments were awarded by order of Comdg. Officer:- R. Sherlock (Ord) x has extra duty for not bringing hammock on deck at 4 a.m. J. Gregory (Apr) reduced to 3d class for one month, for continued insubordination. Course S ¼ E Under steam x Splain sail, except mainsail x spanker. Av. steam 70 lbs. Aver. revs: 41.9

A Fridenburg
Lieut. U. S. N.

Merid to 4 p.m.

Clear and pleasant. Barometer fell. Moderate sea from ENE. Moderate breeze from E by S. E. and NE. At 1 changed course to S ½ E. Av. steam 70 lbs. Av. revs: 43.

J. T. Newton
Lieut. U. S. N.

4 to 6 p.m.

Clear fine weather. Stiff breeze from ENE. Course S ½ E. Sea moderate. Ships rolling easily. Av. Steam 70. Av. revs: 43.4

W Ray Mason Fuld.
Ensign U. S. N.

6 to 8 p.m.

Fair. Low clouds passing over with the wind. Stiff breeze from ENE. Moderate sea. Steering a course S ½ E. Av. steam 70 lbs. Av. revs. 44.5

Geo. W. Holman
Lieut. U. S. N.

8 p.m. to Mid.

Cloudy but pleasant. Stiff breeze from ENE. Moderate sea from ENE. Changed course to S ¾ E. (p.c.) at 8.18 Av. steam 70 lbs. Av. revs. 43.5.

A Fridenburg
Lieut U. S. N.

Examined and found to be correct.

H. K. Lemly
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At sea making passage from New York to South Atlantic Station

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	9	2	2882.9	S 3/4 E	ENE.	4-6	5°		30.10	74	73	71	74	b.c.	cum	7	M
2	9	2	2891.5	"	"	4-6	5°		30.07	74	73	71	74	"	"	7	"
3	9	2	2900.3	"	"	4-6	5°		30.06	74	73	72	74		"	7	"
4	9	2	2909.7	"	"	4-6	5°		30.06	74	73	72	74	"	"	7	"
5	8.5	7	2918.3	"	"	5°	5.20		30.08	74	73	72	74	"	"	2	"
6	7.3	6	2926.8	S by E	"	5°	5.20		30.06	74	73	72	74	o.c.	"	0	"
7	7	5°	2933.6	"	"	5°	5.20		30.07	74	73	72	74	"	"	0	"
8	8	8	2944.2	"	"	5°	5.20		30.08	74	73	73	74	"	"	0	"
9	8	8	2953.0	"	"	5	5°		30.09	74	74	73	74	"	cum nimb.	0	"
10	8	8	2961.8	"	"	5°	5°		30.08	74	74	73	74	"	"	0	"
11	8	6	2970.5	"	"	5°	3		30.07	75°	74	74	74	"	"	0	"
Noon.	7	7	2977.8	"	"	5°	3		30.07	75°	74	74	74	"	"	0	"

Course and distance made good since preceding noon by observations, S 26° E 26 knots. tenths.

Position at Noon:
- Latitude by D. R. — N 19 ° 41' 14"
- Longitude by D. R. — W 25 ° 55' 42"
- Latitude by observations of ⊙ — N 19 ° 31' 30"
- Longitude by chronometer from Forenoon Observations of ⊙ — ° ' "

Position at 8 a. m.
- Latitude by DR. — N 20 ° 10' 00"
- Longitude by DR. — W 26 ° 06' 42"

Position at 8 P. M.
- Latitude by DR. Sumner alt. ☉ — N 18 ° 32' 06"
- Longitude by Chro. Sumner — W 25° 33' 54"

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 305 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1491 "

Coal consumed during the preceding 24 hours, 8 tons 1080 lbs.

Coal remaining on hand at Noon, 26 " 1800 "

P. M.																	
1	8	5°	2985.5°	S by E	ENE.	4	3		30.05°	75°	75°	74	75°	o.c.m.	cum nimb	0	m
2	8	0	2993.8	"	"	4	3		30.02	76	75°	75°	75°	"	"	0	"
3	8	4	3002.0	"	"	4	3		30.01	76	75°	75°	75°	"	"	0	"
4	8	4	3010.2	"	"	4	3		29.99	76	75°	75°	75°	"	"	0	"
5	9	0	3018.8	"	NE by E	4-5	5°		29.99	76	75°	75°	75°	"	"	0	"
6	9	0	3027.6	"	"	3-6	5°		29.98	76	76	75°	75°	"	"	0	"
7	9	9	3036.4	"	"	5-6	5°		29.98	76	76	75°	75°	"	"	0	"
8	9	0	3044.5°	"	"	5-6	5°		29.99	78	76	75°	75°	"	"	0	"
9	2	5°	3047.0	SSE	"	5-6	5°		30.00	78	76	75°	75°	"	"	0	"
10	7	0	3053.9	S by E 1/2 E	"	5-6	5°		30.03	78	76	75°	75°	b.c.	"	4	"
11	7	2	3061.2	"	"	5-6	5°		30.03	78	76	75°	76	b.c.l.	cum. str.	7	"
Mid.	6	8	3067.2	"	"	5-6	5°		29.99	77	76	75°	76	b.c.	"	4	"

under the command of Commander A. S. Snow, U. S. Navy,

Tuesday September 9th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid. to 4 a.m.

Clear and pleasant. – barometer fell. Wind from E by E. – moderate to fresh. Moderate sea – swell from E by E. Clouds drifting to S'd & W'd. Moonlight after 2.30. Aver. Steam 70 lbs: Aver. revs: 43.4

J. T. Newton
Lieut. U.S.N.

4 to 8 a.m.

Overcast, fresh breeze from E by E. Course S 3/4 E until 5.40 when changed by order of Comdg. Officer to S by E. Pat. Log 2923.5. Took two single reefs in the topsails at 5.00 a.m. Sea moderate, Ships rolling 20° at times. Barometer nearly steady. Aver. Steam 70 lbs. Aver. revs: 44.

W. Ry Maes Field
Ensign U.S.N.

8 a.m. to Merid.

Overcast, fresh breeze from E by E. Moderate sea. Ships rolling uneasily. Steering a course S by E, nothing to leeward. At 9.30 mustered at quarters. Av. steam 71 lbs: Aver. revs: 42.3

George T. M. Holman
Lieut. U.S.N.

Merid to 4 p.m.

Cloudy & misty. Moderate breeze from E by E. Ships rolling easily, but deeply at times to moderate NE by E sea. Steaming Aver. steam 70 lbs: revs: 43

J. T. Newton
Lieut. U.S.N.

4 pm to 6 pm.

Overcast. Gentle to fresh breeze from NE by E. Barometer steady. Moderate sea. Swell from NE. and E by N. Aver. steam 70 lbs: Aver. revs: 43.6

6 to 8 pm.

Overcast. Stiff breeze from NE by E. Course S by E (psc) Long swell & moderate sea. Aver. steam 70 lbs: Aver. revs: 43.6

W. Ry Maes Field
Ensign U.S.N.

8 pm to Mid.

Cloudy except during the third hour when the sky cleared overhead. Air very damp. Heat lightning in the SW during the third hour. At 8 changed course to S by E 1/2 E stopped the engines and shook the reefs out of the topsails. Set the spanker. At 9 started the engines barely turning the propeller over. At 10 hauled up the foresail. Average steam 60.7. Aver. revs: 32.3

George T. M. Holman
Lieut. U.S.N.

Examined and found to be correct.

E. K. Lewis
Lieut., Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At sea, making passage from New York to South Atlantic Station

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	6	4	30.74.2	SE/2 E	ENE	4			29.98	77	76	75	75	b.c.	cum	4	M
2	6	6	3080.9	"	"	4			29.97	77	76	75	75	o.c.	cum nimb	0	.
3	6	4	3086.7	"	"	3			29.97	77	76	75	75	"	"	0	"
4	6	4	3092.9	"	"	3			29.96	77	76	76	75	"	"	0	"
5	4 2/2	2	3100.0	South	"	3			29.95	77	76	75	75	f.c.	"	1	"
6	8	8	3108.2	"	"	3			29.97	77	77	76	76	"	"	1	"
7	8	4	3116.6	"	E by N	3			29.98	77	76	76	76	o.c.m.	"	0	"
8			3124.5	"	"	3			29.99	77	77	76	76	"	"	1	"
9			3131.5	Ship under	"	3			30.02	77	77	76	76	b.c.	cum.str.	1	.
10			3138.0	Coun of	"	3			30.03	78	78	77	76	"	"	2	.
11			3145.0	Navigator	"	3			30.04	80	79	78	76	"	"	3	"
Noon.			3153.2		"	3			30.01	79	79	77	76	"	"	3	"

17-30
25-07

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 7 a. m.
- Latitude by DR N 17°30' W "
- Longitude by Sumner W 25°07'30" "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 318 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1173 "

Coal consumed during the preceding 24 hours, 7 tons 1150 lbs.

Coal remaining on hand at Noon, 18 " 1230 "

P. M.												
	At Anchor											
1	NE.	NE.	2	30.00	80	81	78	76	b c m	cum x nimb	2	
2	"	"	1	30.01	80	81	79	76	b c m p	"	1	
3	"	"	2	30.00	80	81	79	76	"	"	4	
4	NE by E	"	3	29.98	80	81	78		b c m	"	5	
5	NE by E	ENE	2	29.98	81	81	79		"	"	7	
6	NE	"	2	29.98	80	80	78		"	cir. cum nimb.	6	
7	NE by N	"	2	29.98	82	81	78		"	"	4	
8	NE	"	2	30.03	82	81	78		"	"	9	
9	NE by E	"	1	30.03	81	80	78		b m	"	10	
10	NE by E	"	1	30.06	81	80	78		"	"	10	
11	"	"	1	30.06	81	80	78		"	"	10	
Mid.	"	"	1	30.06	80	79	78		"	"	10	

under the command of Commander A. S. Snow, U. S. Navy,

Wednesday September 10th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 am.

Cloudy. Moderate to gentle breeze from E by E. Moderate sea. Ship under steam, topsails, jib, fore topmast staysail & mainstaysail. Course S by E 1/2 E. (p.c) Aver. steam 58 lbs; revs: 30

4 to 8 a.m.

Lieut. U. S. N.

Cloudy. Occasional drizzle. Barometer rising. Gentle breeze from E by E and E by N. Smooth sea. Set foresail and started ahead full speed at 4.30. Sighted land - San Antonio at 7.45 on the lee bow At 4.43 changed course to South. Aver. steam 57 lbs: Aver. revs: 48.3 Distilling

Lieut. U. S. N.

8 am to Merid.

Clearing up, very warm, gentle breeze from E by N. Ship under Comm of Navigator. At 8.15 sighted land ahead. Remainder of watch steaming in for anchorage in Porto Grande, Cape Verde Islands: Aver. steam 70 lbs: Aver revs: 385

W Rx Mason Field.

Ensign U. S. N.

Meridian to 4 pm.

Cloudy with clear intervals, the clouds passing in large masses. Occasional light drizzle from over the land. Light airs to light breeze from NE. Stood in for anchorage off Porto Grande, St Vincent. At 2.15 hauled in patent log registering 3153.2. At 2.20 let go port anchor in 10 1/2 fms. water, hard sandy bottom, veering to 25 fms. at the house. Hauled fires. Received pratique. Got out steam launch. Received an official visit from the Comdg. Officer of the Portuguese Gunboat Rio Ave. Sent an officer to notify the Consular Agent of our arrival. The representative of the agent came aboard, the agent being absent. Ships draft fore 12'10" aft 14'9" aft 15'9". Bearings of Anchorage (p.c) Rico Rock N and Flag Staff on Fort E 3/4 S.

Paymr. F. W. Coleman

4 pm to 8 pm.

Lieut U. S. N.

Partly cloudy pleasant weather, Light breeze from E by E. Distilling.

Lieut U. S. N.

8 pm to Mid.

Clear fine weather, light airs from NE by E. W Rx Mason Field.

Ensign U. S. N.

Examined and found to be correct.

L. K. Reynolds

Lieut, Navigator.

LOG of the UNITED STATES Steamer "Essex" ,3d Rate,

At anchor off Porto Grande St Vincent

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N by W	NE	2			30.02	80	79	78		o.c.m.	cum	0	
2				NW	"	1			30.01	80	79	77		b.c.m.	"	6	
3				NE	"	1			30.01	79	79	77		o.c.r.	cum nimb	0	
4				West	"	1			30.01	79	79	78		b.c.	"	5	
5				NE by N	"	2			30.00	79	79	78		"	"	2	
6				NE by E	"	2			30.00	79	79	77		"	"	3	
7				NE	"	2			30.03	79	79	77		"	"	1	
8				"	"	1			30.04	79	79	77		"	"	2	
9				"	"	1			30.06	79	79	77		o.c.	"	0	
10				"	"	1			30.07	79	78	77		o.c.r.	"	0	
11				E by N.	East	1			30.08	78	78	77		"	"	0	
Noon.				E by E.	NE	1			30.08	78	78	77		"	"	0	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 420 gallons.

Water Distilled during the preceding 24 hours, 1147 "

Water remaining on hand fit for use at Noon, 1900 "

Coal consumed during the preceding 24 hours, 1 tons 800 lbs.

Coal remaining on hand at Noon, 17 " 730 "

P. M.												
1	North	NW.	1	30.08	78	78	77	o.c.r.	cum.nimb	0	
2	NNW	"	1	30.07	77	77	76	"	"	0	
3	N by W.	"	1	30.07	77	77	76	"	"	0	
4	NE by E.	NE by E	1	30.04	77	77	76	"	"	0	
5	ENE.	NE	2	30.02	78	77	75	o.c.m.	"	0	
6	"	"	2	30.04	78	78	77	b.c.m.	"	2	
7	NE.	"	2	30.06	80	78	77	b.c.m.	"	8	
8	"	"	3	30.08	80	79	78	b.c.m.	"	5	
9	"	"	2	30.08	79	79	78	"	"	8	
10	"	"	2	30.06	78	77	79	"	"	8	
11	"	"	2	30.06	78	78	79	"	"	6	
Mid.	"	"	2	30.06	78	77	78	o.d	"	2	

under the command of Commander A. S. Snow, U. S. Navy,

Thursday September 11th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 am.

Misty and sultry. Clouds passing over in broken masses. A passing shower third hour. Light breze to light airs from NE. Ship swinging around unsteady to breze, tide and ground swell

Geo. F. W. Holman
Lieut U. S. N.

4am to 8 am.

Cloudy and sultry Light breze to light airs from NE. Rec'd 120 lbs fresh beef, 96 lbs bread & 20lbs vegetables in Pay Dept.

Lieut. U. S. N.

8 to Merid.

Overcast. Raining after 9.30 light airs from NE by E. Barometer steady. At 9.30 mustered at quarters. The Comdg. Officer ordered the following punishments: viz. Applegate F. T. (Apps) & N. E. Lloyd (Apps) Bags in lucky bag - 6 hrs Extra Duty. Weber F. C. (OS) & Larsen A. O. (OS.) Fighting First watch each night in Porto Grande. Dris coll M. (BK) Deliberately disobeying orders of Machinist - Confined for 5 days Bread & Water & reduced to 4th Class: Falvey J. M. (Armorer) Making use of private property of Comdg. Officer. Res. to 4th Class: Rodrigues M. (Lost) Neglect of duty & disobedience of orders 6 night watches at sea.

J. Newton
Lieut U. S. N.

Merid to 4 pm.

Overcast. Cloudy with heavy rain. Light airs from W. The Comdg. Officer and the Intelligence Officer called officially on the Comdg. Officer of the Portuguese Gun Boat "Rio Ave" and the American Consular Agent. Served out monthly money.

W. R. Wainwright
Ensign U. S. N.

4 to 8 pm

Hazy. Fair. Clearing towards end middle of watch and then clouding over again. Light breze from NE. English steamer Orbo went out bound for Port Eads.

Geo. F. W. Holman
Lieut U. S. N.

8 pm to Mid.

Clear, overcast & drizzling last hour. Barometer falling. Light breze from NE. Between 8 and 9 a steamer lying ahead cast adrift a large empty coal lighter which passed close to port gangway. Shortly after a second was cast adrift and came down past our starboard side nearly colliding with steam cutter secured at boom Neither was under control. Distilling.

J. Newton
Lieut. U. S. N.

Examined and found to be correct.

L. M. Lewis
Lieut - Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At anchor off Porto Grande St Vincent

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				NE by N.	NE.	1-3			30.06	80	77	78		b.c.g.	Cum.stnd	0	
2				"	"	1-3			30.08	80	77	78		"	"	0	
3				"	"	1-3			30.06	80	77	78		"	"	0	
4				"	"	1-3			30.05	80	76	78		"	"	0	
5				"	"	1-3			30.05	80	77	80		b.c.g.	"	0	
6				"	"	1-3			30.04	78	77	76		"	"	1	
7				"	"	1-3			30.04	78	77	75		"	"	2	
8				NE.	"	1-4			30.04	78	77	76		"	"	7	
9				"	"	2-5			30.04	79	78	76		"	"	6	
10				"	"	2			30.06	80	79	77		b.c.	cum.	5	
11				"	"	2			30.08	80	81	78		"	"	6	
Noon.				"	"	2			30.09	80	82	78		"	"	6	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 440 gallons.

Water Distilled during the preceding 24 hours, 1310 "

Water remaining on hand fit for use at Noon, 2835 "

Coal consumed during the preceding 24 hours, 1 tons 500 lbs.

Coal remaining on hand at Noon, 15 " 1470 "

P. M.																	
1				NE by N.	NE by N	2			30.07	81	82	78		be	cumc	7	
2				ENE	NE	2			30.05	82	82	79		"	"	7	
3				NW	"	2			30.03	82	80	79		"	"	8	
4				NE	"	2			30.03	81	79	79		b.c.	cum.nimb	6	
5				NE by E	NE by E	2			30.02	81	79	77		b.c.	cum.nimb	0	
6				NE	"	1			30.03	81	79	77		"	"	0	
7				"	"	1			30.04	81	79	77		"	"	0	
8				E by N.	"	1			30.06	82	80	77		"	"	0	
9				"	"	1			30.06	82	80	79		b.c.	"	4	
10				ESE	West	1			30.06	81	81	79		"	cum.	8	
11				NE	Calm	0			30.06	81	81	79		"	"	5	
Mid.				NNE.	NNE.	1			30.06	81	81	79		"	"	5	

under the command of Commander A. S. Snow, U. S. Navy,
Friday September 12th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 am.
Overcast & cloudy, with squalls. Gentle breeze to light airs from NE.
W Ray Mason Field
Ensign U. S. N.

4 to 8 am.
Clear & pleasant. Light airs from NE with occasional gentle to stiff puffs coming over the land. Made preparation for coaling ship.
Geo E Wadsworth
Lieut. U. S. N.

8 to Merid.
Warm & pleasant. Light breeze from NE. Coaling ship. Rec'd. 8½ tons during watch. Draft before coaling 12'9 for'd, 14'0" amid. and 15'10 aft.
[illegible]
Lieut. U. S. N.

Merid to 4 pm.
Clear and pleasant. Light breeze from NE by N. and NE. Coaling ship. Finished coaling at 3.45, having received in all 68 1688/2240 tons.
F Newton
Lieut. U. S. N.

4 to 8 pm.
Generally overcast. Light airs from NE by E. Washed down after coaling. Draft of ships 13'6" for'd 14'10" amid, and 16'00 aft.
W Ray Mason Field.
Ensign U. S. N.

8 pm to Mid.
Clear and pleasant. Calm and very light airs from NE to NNE.
[illegible]
Lieut. U. S. N.

Examined and found to be correct.

[illegible]
Lieut., Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At anchor off Porto Grande St Vincent

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N by W.	NE	1			30.05	79	79	77		b.c.	Nimbus	3	
2				NW	"	1			30.03	79	79	77		"	"	2	
3				NW by W	"	1			30.02	78	79	77		"	"	1	
4				"	"	1			30.02	78	79	77		"	"	6	
5				W by S	Calm	0			30.01	78	79	77		"	cum nimb	8	
6				S W by W	NE.	1			30.02	79	79	77		"	"	3	
7				N by W	"	1			30.03	78	78	76		"	"	1	
8				NE	"	1			30.02	78	78	77		"	cir. cum nimb.	1	
9				East	"	1			30.02	78	78	77		b.c.s.	"	1	
10				"	"	1			30.01	78	78	78		b.c.	"	1	
11				ENE.	"	1			30.02	78	79	78		"	"	3	
Noon.				"	"	1			30.04	80	80	79		"	"	3	
						1											

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 328 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2507 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 168 " 2123 "

P. M.											
1	NE	NE	2	30.04	81	80	79	b.c.	cum. str.	5	
2	East	"	3	30.02	81	80	79	"	"	5	
3	ENE	"	3	30.03	81	80	79	"	"	3	
4	ESE	ENE.	2	30.00	81	80	79	o. & r.	cum. nimb	0	
5	SW.	"	2	30.01	79	79	78	"	"	0	
6	W.	"	2	30.02	79	79	78	b.c	"	1	
7	North	"	2	30.02	80	80	79	"	"	1	
8	NE by E	"	1	30.04	80	80	79	"	"	4	
9	ENE	"	1	30.03	80	80	79	b.c.fs.	"	8	
10	"	"	1	30.04	80	79	78	b.c.	"	5	
11	NE.	"	1	30.03	80	78	79	"	"	5	
Mid.	"	"	1	30.05	80	78	79	b.c.fs.	"	5	

under the command of Commander A. S. Snow, , U. S. Navy,

Saturday September 13th , 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 am.

Cloudy. Light airs from NE. Barometer falling slowly.

J Newton
Lieut. U.S.N.

4 to 8 am.

Clear fine weather, light airs from NE. Executed morning orders. Rec'd. 96 lbs. fresh bread, 120 lbs. fresh beef, 120 lbs. fresh vegetables.

W Roy Mainfield
Ensign U.S.N.

8 am to Merid.

Cloudy. Passing showers first hour Light airs from NE. The Capt. of the Port paid an official visit to the Commanding Officer A. Delin (Sea) was put under sentrys charge for safe Keeping for fighting.

Geo F W Holman
Lieut. U.S.N.

Merid to 4 pm.

Fair first part, cloudy and raining last hour Light to gentle breze from NE shifting to East last hour. American Schooner Annie L. Palmer came in from the Windward Island Brandao de Mello, governor of Cape Verde Ids paid an official visit to the ship.

J Harriman
Lieut U.S.N.

4 to 8 pm.

Overcast, raining first half hour. Light breze from ENE barometer steady. A brass knob and port gangway was taken by some one unknown between 4 and 4.20. Boarded the American Schooner Annie Chaplain. A. Delin (Sea) was released, having recovered from intoxication. His Excellency Brandao de Mello, governor of Cape Verde Ids: left the ship at 4.20

J Newton
Lieut U.S.N.

8 pm to Mid.

Generally pleasant. A light passing shower first hour and another beginning at 11.55. Light airs from ENE.

Geo F W Holman
Lieut. U.S.N.

Examined and found to be correct.

M. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

At anchor off Porto Grande St. Vincent

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				West	NE	2			30.05	79	79	78		o.c.r.	cum. nimb.	0	
2				WW	"	2			30.03	79	79	78		b.c.	"	6	
3				WNW.	"	2			30.02	79	79	78		"	"	6	
4				West	"	2			30.02	78	78	78		b.	none	10	
5				WbyN.	ENE	2			30.01	78	79	78		b.c.fo.	"	10	
6				NE E.	"	2			30.02	78	78	77		b.c.	cum.nimb	8	
7				EbyN.	"	2			30.03	79	79	77		"	"	8	
8				"	"	2			30.04	79	79	77		"	"	1	
9				NE	"	2			30.05	80	79	78		"	"	3	
10				"	"	2			30.06	80	80	78		"	"	2	
11				NNE	ENE	2			30.06	81	80	79		"	"	4	
Noon.				NE	"	2			30.06	81	81	78		"	"	4	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 276 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2232 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 168 " 1723 "

P. M.									
1	NE	NE.	1	30.05	81	81	80	b.c.l.	cum 5
2	"	"	1	30.05	82	81	79	b.c.l.	" 5
3	"	"	1	30.04	81	81	79	"	" 5
4	EbyN	"	1	30.03	81	80	79	"	" 5
5	ENE	"	1	30.02	80	80	78	"	" 5
6	"	"	2	30.01	80	80	78	b.c.	" 5
7	"	"	3	30.02	82	80	79	"	cum. str. 5
8	"	"	2	30.03	84	81	79	"	" 6
9	"	"	2	30.07	84	81	79	"	" 6
10	"	"	2	30.07	84	81	79	"	cum nimb 4
11	"	"	2	30.07	83	80	79	o.c.	nimb 0
Mid.	"	"	2	30.07	83	80	79	"	" 0

under the command of Commander A. S. Snow, U. S. Navy,
Sunday September 14th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 am.
Calm and light breeze from NE.

F. H. Newell
Lieut U. S. N.

4 to 8 am.
Clear and pleasant, Barometer fluctuating. Light breeze from ENE. Received in Pay Dept 120 lbs fresh beef, 120 lbs fresh vegetables, 765 lbs bread. The Italian Gunboat "Andrea Provana" came in and anchored about 7.30 a.m.

F. H. Newell
Lieut U. S. N.

8 am to Merid.
Clear and very hot, light breeze from ENE. Mustered and inspected at quarters. Sent an officer to board the Italian Corvette, "Andrea Provana" and tendered the usual offer of civilities, which was returned.

W Rx Mason Field.
Ensign U. S. N.

Merid to 4 pm
Clear and pleasant. Light airs to light breeze from NE. The Comdg. Officer of the Andrea Provana paid an official visit to the Comdg. Officer.

Geo. F. Holtzman
Lieut. U. S. N.

4 pm to 8 pm.
Partly cloudy, pleasant weather. Light breeze from NE. Served out clean hammocks.

F. H. Newell
Lieut U. S. N.

8 pm to Midy
Fair, then overcast, light breeze from NE.

W Rx Mason Field.
Ensign U. S. N.

Examined and found to be correct.

Le. K. Lucas
Lieut; Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At anchor off Porto Grande St Vincent

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				NE	NE	1			30.06	81	79	78		b.c.	cum.nimb	6	
2				"	"	1			30.04	82	79	78		b.c.p	"	5	
3				"	"	1			30.02	81	79	78		"	"	5	
4				"	"	1			30.00	81	79	78		"	"	5	
5				S by W		2			30.00	80	79	78		b.c.	"	4	
6				N by E	"	2			30.00	79	78	77		"	"	1	
7				NE by E	"	2			30.01	78	78	77		"	"	1	
8				E by N	E	2			30.02	79	78	77		o c m	"	0	
9				E by N	"	2			30.04	79	79	77		"	"	0	
10				ENE.	ENE	2			30.05	81	80	78		b c m	cir.cum	4	
11				ENE	"	2			30.04	81	81	79		"	"	2	
Noon.				NE	"	2			30.04	82	82	79		"	"	2	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: { Latitude by D. R. ° ' "
Longitude by D. R. ° ' "
Latitude by observations of ⊙ ° ' "
Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. { Latitude by ° ' "
Longitude by ° ' "

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 310 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1920 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.																	
1				NW	SW.	3			30.01	81	81	79		b c	cum.nimb	4	
2				SSW	S.S.W.	2			30.00	80	79	78		o c r	none	0	
3				SW.	"	1			29.99	80	79	78		o c	nimb	0	
4				"	SW	2			29.99	80	80	78		"	"	0	
5				"	SSW	2			29.98	79	79	78		o c r	cir.cum nimb.	0	
6				SW by W	SW	1			30.00	78	77	76		"	"	0	
7				W by S	"	1			30.01	77	77	76		"	"	0	
8				N by W	"	1			30.03	78	78	77		b c	cir.cum	5	
9				NE.	South	1			30.04	78	79	78		b c l	cum	9	
10				NE by N	"	1			30.03	78	79	78		"	"	9	
11				NE	"	1			30.04	78	79	78		b c	"	6	
Mid.				N by E	Calm	0			30.04	78	79	78		"	cir.cum	6	

under the command of Commander A. S. Snow, U. S. Navy,

Monday September 15th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 am.

Generally fair. Light passing showers at times. Light airs from N E.

Geo. F. Wadleman
Lieut U. S. N.

4 am to 8 am.

Cloudy. Light breeze from N E to East. Recd. 120 lbs. fresh beef, 120 lbs. vegetables & 96 lbs. fresh bread in Pay Dept.

W. F. Stevens
Lieut. U. S. N.

8 am to Merid.

Cloudy, light breze from E and E N E. Barometer steady. Engaged in target practice with revolvers & rifles. Receiving stores in Pay Dept.

J. T. Newton
Lieut U. S. N.

Merid to 4 pm

Overcast. Cloudy & rainy light breeze from S W and S S W. Piped down scrubbed hammocks and continued target practice.

W. Roy Mapes Field
Ensign U. S. N.

4 to 8 pm

Overcast with rain first part. Clearing last hour. Light breze to light airs from S S W and S W. Brought the targets on board.

Geo. F. Wadleman
Lieut U. S. N.

8 pm to Mid.

Clear and pleasant. Barometer steady. Light airs from S W. and South.

J. T. Newton
Lieut U. S. N.

Examined and found to be correct.

H. K. Hines
Lieut, Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At anchor off Porto Grande, St. Vincent

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				NNE	Calm	0			30.04	79	79	78		b c.	cum. nimb	5	
2				"	"	0			30.04	79	79	78		"	"	8	
3				NNW	"	0			30.02	79	79	78		"	"	9	
4				W by S	SW.	1			30.01	79	79	78		"	"	9	
5				SW	SSW.	1			30.01	78	78	77		"	"	6	
6				"	"	1			30.02	77	78	77		"	cirrost	9	
7				WNW	SW	1			30.03	77	78	77		"	cum. str.	8	
8				NW by N	"	1			30.04	78	78	77		"	"	8	
9				NE.	NE.	1			30.06	80	79	78		"	"	8	
10				"	"	2			30.06	80	79	78		"	"	8	
11				"	"	2			30.06	80	79	78		"	"	8	
Noon.				"	"	2			30.06	81	81	79		"	"	8	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 345 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1580 "

Coal consumed during the preceding 24 hours, tons 800 lbs.

Coal remaining on hand at Noon, 167 " 1763 "

P. M.																			
1					NE	East	3			30.05	82	81	79		b c.	cir. cum	6		
2					NE by E	"	3			30.04	82	82	79		"	"	6		
3					ENE		2			30.04	82	82	79		"	cum. str	6		
4					"	ENE	2			30.02	83	82	79		"	"	6		
5					Steaming out	"	2			30.03	82	82	80		"	"	6		
6					of Harbor.	East	2			30.02	82	81	79	80	"	"	8		
7			8.75		S by W. 3/4 W	E & E.	3			30.03	82	80	78	80	"	cum	9		
8			17.25		"	"	3			30.05	82	79	78	79	"	"	9		
9	6	0	22.7		"	"	3			30.06	82	80	79	80	b.	"	10	S	
10	4	2	25.9		"	"	2			30.07	82	80	78	80	"	"	10	"	
11	3	5	28.2		"	"	2			30.07	82	79	78		b c.	"	9	"	
Mid.	2	0	28.3		"	"	2			30.07	82	79	78		"	"	9	"	

under the command of Commander A. S. Snow, U. S. Navy,

Tuesday September 16th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 a.m.

Clear fine weather, calms: light airs from SW. Fild. Ry Mason Fild. Ensign U. S. N.

4 to 8 am.

Clear and pleasant. Light airs from S.S.W x S W. At 7.30 loosed sail to a bowline, exercised the 1st Division in rifle target practice. Geo. L. W. Halsman Lieut. U. S. N.

The Comdg. Officer ordered the following punishments:- viz.

Miller R. J. (Ldr) Injuring paint on ships side. Res. to 3d Class.
Brown G. R. (Appr.) Very slow in manning boats falls:- 8 hrs: extra duty.
Dwyer Patk. (Ldr) Insolence & insubordination to 1st Sergt. Res. to 4th Class.
Gregory J. (Appr) Disrespectful to officer of the deck.- Res. to 4th Class.
Carmody T. (Qr M). Late in relieving post. To be called 20m before time / owed
Sherlock R (Pvt M) Neglect of duty.- 24 hrs: extra duty & Res. to 2nd Class.
Mahoney Jere. (O S). Shirking.- Res. to 4th Class.
Parker Dan (Ldr) } Stealing officers wine & lighting. } Three weeks night watch 8-12.
Miller R. J. (Ldr) }
Delin M. (Sea) Intoxication on board ship.- Res. to 2nd Class.
Gannon P. M. (Appr) } Slinging hammocks to bridge rail } 8 hrs: extra duty & reduced one Class.
Punt M. (Appr) } and not coming off when sent for. }

Steam 60. Average revs. 56.

W. E. Furled mainsail under & 2nd Div. ex. N. 14. M. Driscoll (6 B). ed in cell for five days. dis obedience of orders. W. F. Worden Lieut U. S. N.

Barometer steady 4.10, after 6 o. J. J. Hirshfield Lieut U. S. N.

E. At 4.26 got under. of Comdg. Officer. Took stbd. head & St. 2 ft. E and South Pt. San Log. reading 0. Average

W Roy Mason Fild. Ensign U. S. N.

6 to 8 p.m.

Clear and pleasant. Gentle breeze from ESE. Steering a course S by W 3/4 W. At 6 made square sail to topgallantsails but the wind flawing over the land to nearly ahead, shortened sail and furled at 6.15. At 7 orders were given to let fires burn out. Made plain sails to topgallant sails and set the main Stysail. Av. steam 60 lbs. Aver. revs 43.5

Geo. L. W. Halsman Lieut U. S. N.

8 p.m. to Mid.

Clear and pleasant. Bright starlight. Gentle to very light breeze from ESE. Smooth sea. At 8.30 stopped engine & uncoupled shaft.

W. F. Worden Lieut. U. S. N.

Examined and found to be correct.

H. K. Denson Lieut, Navigator.

under the command of Commander A. S. Snow, U. S. Navy,

Tuesday September 16th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 a.m.

Clear fine weather, calms: light airs fm SW.

W. Roy Mason Fuld.
Ensign U. S. N.

4 to 8 am.

Clear and pleasant. Light airs from S.S.W x S W. At 7.30 loosed sail to a bowline, exercised the 1st Division in rifle target practice.

Geo. L. W. Holman
Lieut. U. S. N.

8 a.m. to Merid.

Fine pleasant weather. Light breeze from N E. Furled mainsail and put on cover, started fire in 2 after boilers. At 12. Powder & 2nd Div. exercised at revolver & rifle target practice as per circular No 14. M. Driscoll (6th) was released from confinement & Jas. Dwyer (6th) was confined in cell for five days on bread & water & reduced to 4th class by order of Comdg Officer for disobedience of orders.

W. F. Worden
Lieut U. S. N.

Merid to 4 pm.

Bright and warm. Gentle breeze from E. and N E. Barometer steady Prepared the ship for sea. Draught fwd 13.6 amidships 14.10, aft 16.0.

J. J. Hoogewerff
Lieut U. S. N.

4 to 6 pm.

Weather, clear & fine, light breeze from E N E & E. At 4.25 got underway and steamed out of St Vincent Harbor under comm of Comdg. Offier. Took departure for Bahia, Brazil at 5.35. Bearings: (p.s.c) Ships head S 87 W 2 M, Bijos Islands Beacon E N E 3/4 E, S. Pedro Pt. S S E 5/8 E and South Pt. San Antonio N W 1/4 W. Set Course S by W 3/4 W. Put over P. Log. reading 0. Average Steam 60. Average revs: 38.

W Roy Mason Fuld.
Ensign U. S. N.

6 to 8 pm.

Clear and pleasant. Gentle breeze from E S E. Steering a course S by W 3/4 W. At 6 made square sail to topgallantsails but the wind blowing over the land to nearly ahead, shortened sail and furled at 6.16. At 7 orders were given to let fires burn out. Made plain sails to topgallant sails and set the main Staysail. Av. steam 60 lbs. Aver. revs 43.5

Geo. L. W. Holman
Lieut U. S. N.

8 pm. to Mid.

Clear and pleasant. Bright starlight. Gentle to very light breeze from E S E. Smooth sea. At 8.36 stopped engine & uncoupled shaft.

F. Bridge
Lieut. U. S. N.

Examined and found to be correct.

L. K. Lewis
Lieut, Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At sea, making passage from Porto Grande to Bahia, Brazil.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	1	6	28.3	S by W 1/2 W	East	1			30.08	82	80	79	80	b.c.	cum	5	8
2	3	6	30.8	S by W 3/4 W	"	3			30.06	81	79	78	79	"	"	6	"
3	2	0	33.1	"	"	2			30.05	80	79	78	80	"	"	8	"
4	3	2	35.2	"	"	2			30.03	80	79	78	80	b c l	"	8	"
5	2	8	38.0	"	"	2			30.04	81	79	78	80	b c	"	6	"
6	3	2	41.7	"	"	2			30.03	80	79	78	80	"	"	4	"
7	4	8	46.5	"	E by N	3			30.04	81	79	78	80	"	"	3	"
8	5	0	51.8	"	"	3			30.05	81	79	78	80	"	cir. cum	5	"
9	5	5	57.8	"	E N E	3			30.06	82	80	79	80	"	"	5	"
10	5	2	62.8	"	"	3			30.06	82	80	79	81	"	"	5	"
11	4	5	67.3	"	"	3			30.05	82	81	79	81	b c g r	cum. nimb	4	"
Noon.	4	9	71.5	"	E by N	3			30.05	82	80	78	80	o c g r	"	0	"

Course and distance made good since preceding noon by observations, S 3° W 72 knots tenths.

Position at Noon:
- Latitude by D. R. — N 15° 39' 10"
- Longitude by D. R. — W 25° 10' 36"
- Latitude by observations of ⊙ — N. No Obs. ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ — W 25° 11' 09"

Position at 8 a. m.
- Latitude by D.R. — S 15° 9' 00"
- Longitude by Chron — W 25° 10' 00"

Position at 8 P. M.
- Latitude by D.R. — S 14° 53' 40"
- Longitude by Chron from P.m. Obs — W 25° 18' 20"

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8-21 Am " S x W 3/4 W — W 17° 50' 00"

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 360 gallons.

Water during the preceding 24 hours, 90 "

Water remaining on hand fit for use at Noon, 1310 "

Coal consumed during the preceding 24 hours, 3 tons 880 lbs.

Coal remaining on hand at Noon, 164 " 883 "

P. M.																
1	7	0	78.1	S by W 3/4 W	E N E	3	30.03	79	78	77	79	b.c.d	cum str. cum. nimb	1	8
2	6	0	84.0	"	East	3	30.02	79	77	76	79	o c r	cum. nimb	0	"
3	4	0	87.4	"	N E	2	29.99	79	78	77	79	o.c	"	0	"
4	4	5	91.2	"	"	3	29.98	79	78	77	79	"	"	0	"
5	5	6	96.8	"	"	4	29.97	80	80	78	79	"	"	0	"
6	7	5	103.8	"	"	4-5	29.98	81	80	78	79	"	"	0	"
7	7	4	111.2	S by W.	East	4-5	29.99	80	79	77	79	"	"	0	NL
8	6	3	117.5	S by W 3/4 W	"	5-8	29.92	81	79	77	79	o c g r	"	0	R
9	4	5	122.8	S S W 1/4 W	E S E	7	29.90	74	77	77		o c r	"	0	"
10	6	0	128.0	S W	S E	8-7	29.94	77	76	76		"	"	0	"
11	6	0	134.2	W S W	S S E	8-7	29.97	77	76	76		o c g r	"	0	"
Mid.	2	0	135.2	East	South	7-5	30.00	79	76	76		"	"	0	"

15°-17
25°-18

under the command of Commander A. S. Snow, U. S. Navy,
Wednesday September 17th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid. to 4 a.m.

Clear and pleasant, light airs & gentle breeze from East. Barometer falling slowly. All sail to topgallant sails except main sail & main & mizzen top mast staysails. Course S by W 3/4 W. except first hour. Ships would not lie closer than S W 1/2 W owing to lightness of wind. Sail alone. Two white lights of steamer were sighted to W. standing to S & Lightning to S & E. last hour.

W. T. Hawkins
Lieut U. S. N.

4 to 8 a.m.

Clear fine weather, light breeze from E to gentle breeze from E by N. Course S by W 3/4 W. Set royals, fore topmast staysail, main topmast stay sail and flying jib. Started distiller at 5.00

W Roy Maden Field.
Ensign U. S. N.

8 a.m to Merid.

Clouding over. Gloomy to the S'd & E'd. Distant rumbling thunder in the S E. Gentle breeze from E N E to E by N. Steering a course S by W 3/4 W. At 7.30 mustered at quarters and drilled according to routine. At 9.50 began distilling

Geo. F. Wolf Coleman
Lieut. U. S. N.

Merid to 4 p.m.

Cloudy with light drizzle first hour & light rain second hour. Gentle to light breeze from East to N E. Took in spanker at 1.00 & main topmast stays'l at 2.10. At 2 sighted Jago Island bearing S E 1/4 E. p.c) & Togo Island S S E 7/8 E. p.c.

[illegible]
Lieut. U. S. N.

4 to 6 p.m.

Overcast. Moderate to fresh breeze from N E. Barometer steady. Took in and furled royals & flying jib.

W. T. Hawkins
Lieut U. S. N.

6 to 8 p.m.

Overcast, squally & rainy. Stiff breeze increasing to moderate gale from E: Took two single reefs in topsails and furled topgallant sails. Course S by W 3/4 W until 7.30, goned by order of Comd'g Officer, hauled her up to S by W 1/4 W. Took in head of main trysail. Got up and rove off forecastle lower & topsail braces. Put jumper on main yard. At 7.45 Started fires under two boilers. Bar. falling. Sea rough. Ship rolling heavily.

W Roy Maden Field.
Ensign U. S. N.

8 p.m to Mid.

Overcast and rainy. Strong winds to moderate gale from East hauling to S E. first part, then getting squally and abating in force to fresh breeze. Strong squalls latter part and continuing to haul, reaching South at midnight. Barometer falling rapidly until 9. rising fast after that. Reefed the foresail. Furled the fore topsail and hauled down the jib. At 9.30 Started the engines ahead slow. At 11 hauled up the foresail and wore ship. Sea rough abating toward end of watch. Rev. steam for 8 p.c. rev. 30.

Examined and found to be correct.

Geo. F. W. Coleman
Lieut U. S. N.

Le. K. Lewis
Lieut; Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At sea making passage from Porto Grande to Bahia, Brazil.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	3	6	138.8	E by S	South	5			30.01	78	77	76	79	o.c.d	cum. nimb	0	R
2	4	0	143.0	East	S by E	4			30.03	78	77	76	79	"	"	0	"
3	4	0	147.3	S by E 4 N W 3/4 W	"	4			30.03	78	77	76	79	"	"	0	M
4	6	0	153.7	"	"	4			30.03	79	79	77	79	o.c.	"	0	"
5	5	9	159.6	"	SSE	3-4			30.04	79	79	77	80	b.c.	"	3	S
6	5	5	165.1	"	"	3-4			30.06	79	79	77	80	"	"	4	"
7	5	9	171.0	"	"	3			30.07	80	79	77	80	"	cir. cum. nimb	2	"
8	5	8	176.8	"	"	3			30.09	80	80	78	80	"	"	2	"
9	6	0	182.6	SSW	"	3			30.12	80	80	78	80	"	"	2	"
10	6	0	188.5	SSW 1/4	"	3			30.12	80	80	78	80	"	"	2	"
11	6	0	193.8	"	"	3			30.12	81	81	79	80	"	"	6	"
Noon.	6	0	199.5	S by W 3/4 W.	"	3			30.12	82	82	80	80	"	cir. cum	5	"

Course and distance made good since preceding noon by observations, S 10° W 113 knots. tenths.

Position at Noon:
- Latitude by D. R. — N 13 ° 46 ' 52 "
- Longitude by D. R. — W 25 ° 10 ' 33 "
- Latitude by observations of ⊙ — N 13 ° 48 ' 08 "
- Longitude by chronometer from Forenoon Observations of ⊙ — W 25 ° 32 ' 08 "

Position at 8 a. m.
- Latitude by D.R. 1pm run new alt-⊙ — N 14 ° 10 ' 44 "
- Longitude by Chro — W 25 ° 28 ' 56 "

Position at 8 P. M.
- Latitude by D.R. 1pm run new alt-⊙ — N 12 ° 58 ' 50 "
- Longitude by Chro. 1pm P.M. obs. — W 25 ° 35 ' 02 "

Current during the time, knots 8 tenths per hour, setting to the S 10° W

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head — ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " — ° ' "

Variation of the Compass by Azimuth ⊙ observed at " — ° ' "

Variation of the Compass by Azimuth ⊙ observed at 5-0 PM " S x W 3/4 W — W 17 ° 38 "

Water expended during the preceding 24 hours, 350 gallons.

Water during the preceding 24 hours, 1140 "

Water remaining on hand fit for use at Noon, 2155 "

Coal consumed during the preceding 24 hours, 7 tons 650 lbs.

Coal remaining on hand at Noon, 157 " 233 "

P. M.																	
1	6	2	205.0	S by W 3/4 W.	S by W.	3			30.11	82	80	79	81	b.c.	cum. nimb	7	M
2	6	8	211.6	"	"	3			30.10	82	82	79	81	"	"	7	"
3	7	2	217.5	"	"	3			30.10	82	82	79	81	"	cir. cum	7	"
4	7	1	223.5	"	"	3			30.10	82	82	79	81	"	"	7	"
5	6	8	229.7	"	"	3			30.11	81	82	79	81	"	"	7	"
6	6	4	236.3	"	"	2			30.12	81	81	79	80	"	"	7	"
7	6	8	242.5	"	Calm	0			30.13	82	81	79	80	"	"	7	S
8	7	2	248.8	"	SE	1			30.15	82	82	79	80	"	"	7	"
9	7	0	255.2	"	SE by S	1			30.16	81	81	79	80	"	"	9	"
10	7	0	262.1	"	"	2			30.16	80	80	78	80	b.c.g.	"	9	"
11	7	0	269.0	"	Calm	0			30.14	82	80	78	80	"	"	9	"
Mid.	6	0	275.0	"	"	0			30.14	81	81	79	79	"	"	9	"

13-24
25-34

under the command of Commander A. S. Snow, U. S. Navy,
Thursday September 18th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid. to 4 am.

Cloudy and stormy with drizzling rain first two hours, clearing last two hours. Stiff breeze from South first hour. Moderate breeze from SSW last three hours. Rough sea first part, moderate last two hours. Furled foresail at 2 furled main topsail, Set jib & spanker & put ships on course SSW W. 3/4 W. under steam & fore and aft sails.

Wm Harrison
Lieut U. S. N.

4 am to 8 am.

Cloudy and pleasant. Barometer rising. Gentle to moderate breeze from SSE. Under jib, fore topmast staysail, main trysail & spanker. Three sails were sighted during watch standing to Nd. Av. steam 60 lbs: Av. revs: 39.3.

Wm Harrison
Lieut. U. S. N.

8 to Meridian.

Fair pleasant weather gentle breeze from SSE. Mustered at quarters and exercised divisions; 1st divs: infantry, 2nd div. great guns; 3d div. infantry, Powder div. infantry, Nav. div. pistols. Loosed boat covers and spread out boat sails to dry. Course SSW W 3/4 W. Sea smooth. Barometer steady. Ship under steam and fore & aft sails: Aver. steam 60 lbs: Aver. revs: 36.5

W Rx Masn Field
Ensign U. S. N.

Merid to 4 pm.

Clear & pleasant. Gentle breeze from SSW. Steering a course SSW W 3/4 W. At 1 took in all fore & aft sails. Av. steam 60 lbs: Aver. revs: 37.6.

Wm Harrison
Lieut. U. S. N.

4 pm to 6 pm

Clear and pleasant. Light breeze from SSW. Steaming, Aver. steam 69 lbs: Aver. revs: 38.3

Wm Harrison
Lieut U. S. N.

6 to 8 pm.

Clear, pleasant. Barometer rising. Calms and light airs from SE Moonlight. Smooth sea. Aver. steam 69. Aver. revs: 38.

J J Meehan
Lieut. U. S. N.

8 pm to Mid.

Clear fine weather; hazy around horizon. Light breeze from SE by S & Calms. Set fore & aft sail, except main & mizzen topmast staysails at 8.30 Aver. steam 69 lbs: Aver. revs: 39.4

W Rx Masn Field
Ensign U. S. N.

Examined and found to be correct.

H. K. Lemly
Lieut, Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At sea, making passage from Porto Grande to Bahia, Brazil.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	6	4	281.0	SbyW¾W	Calm	0			30.14	81	81	79	79	b.c.g.l.	cir. cum	9	8
2	6	5	287.5	"	"	0			30.13	81	80	79	80	"	"	9	"
3	6	5	293.5	"	SWbyW	1			30.13	81	80	78	80	"	"	8	"
4	6	5	299.8	"	"	1			30.13	81	79	78		"	"	6	"
5	6	3	306.1	"	"	2			30.14	80	78	77		"	"	9	"
6	6	1	312.2	"	"	2			30.17	80	78	77		b.c.	"	8	"
7	6	4	318.5	"	"	1			30.17	80	78	77		"	"	8	"
8	6	4	324.8	"	"	1			30.18	81	79	78		"	"	8	"
9	6	2	331.0	"	North	2			30.18	82	81	79	80	"	cir	8	"
10	6	5	337.5	"	"	2			30.18	82	81	80	80	"	"	8	"
11	6	2	343.7	"	NW	1			30.19	82	80	79	80	"	"	8	"
Noon.	6	2	349.9	"	WbW	2			30.17	82	80	79	80	"	"	8	"

Course and distance made good since preceding noon by observations, S 3° W 149 knots. tenths.

Position at Noon:
- Latitude by D. R. — N 11 ° 17' 56"
- Longitude by D. R. — W 25 ° 40' 52"
- Latitude by observations of ⊙ — N 11 ° 19' 50"
- Longitude by chronometer from Forenoon Observations of ⊙ — W 25 ° 40' 21"

Position at 8 a. m.
- Latitude by DR from noon acc - ⊙ — N 11 °44'50"
- Longitude by Chro — W 25° 34' 03"

Position at 8 P. M.
- Latitude by DR from noon acc - ⊙ — N 10 °28'08"
- Longitude by Chro from P.M. obs — W 25° 35' 48"

Current during the time, None knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8-18 A.m. " S x W¾W W 17 °31'50"

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 348 gallons.

Water Distilled during the preceding 24 hours, 948 "

Water remaining on hand fit for use at Noon, 2760 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

P. M.																	
1	6	2	355.7	SbyW¾W.	SWbyW	2			30.15	80	80	77	80	b.c	cir. cum strat.	2	8
2	6	4	362.0	"	"	2			30.14	82	80	77	80	"	"	2	"
3	6	2	368.1	"	"	2			30.13	81	80	77	80	"	"	4	"
4	6	2	374.3	"	"	2			30.13	81	80	77	80	"	"	4	"
5	6	3	381.0	"	WSW	1			30.13	81	80	78	80	"	"	4	2
6	6	8	388.0	"	"	1			30.13	82	81	78	80	"	"	5	"
7	7	0	394.8	"	"	1			30.13	82	82	79	80	"	"	7	"
8	6	8	401.0	"	"	1			30.15	82	81	79	80	"	"	7	"
9	6	8	407.8	"	NNW	1			30.19	82	81	79	80	N	None	10	"
10	7	0	414.8	"	"	1			30.18	83	81	79	80	"	"	10	"
11	7	0	421.8	"	"	1			30.16	83	81	79	80	"	"	10	"
Mid.	6	9	428.7	"	"	1			30.15	82	81	79	80	"	"	10	"

110-8-2
25-34

under the command of Commander A. S. Snow, U. S. Navy,
Friday September 19th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 am.

Hazy. Pleasant. Calm first part light airs springing up from S.W. by W. At 2.30 heat lightning in the South. Steering a course S by W 3/4 W. At 12.10 took in fore & aft sails. At 2.45 braced the yards around on starboard tack and set fore and aft sails except main topmast and mizzen topmast staysails. Aver. steam 66 lbs. Aver. revs. 36.5

Geo. Luthesman
Lieut. U. S. N.

4 to 8 am.

Fine pleasant weather. Hazy first part. Light breeze to very light airs from S by W. Took in fore and aft sail at 620 Stopped distilling at 6.20. Av. steam 68.5 Aver. revs. 37.

[illegible]
Lieut. U. S. N.

8 am. to Merid.

Warm, pleasant. Light breeze from N and NW. Barometer steady Loosed sails to dry. At 9.30 went to General Quarters. Ready 1st Div. 3m 20sec; 2nd Div. 4m 45sec; 3d Div. 3m 35sec; Powder Div 3m 50sec; Navg. Div. 2m 50sec; Engr. 3m. Pay Dept 1m 40sec; Surg. Div. 1m 5sec; Marine Guard 2m 40sec. During exercise one training hand, spike was broken. Furled sail. Aver. steam 68 1/2 lbs: Aver revs 38. Long swell from S.W.

J. F. Merriam
Lieut. U. S. N.

Merid to 4 pm.

Clear fine weather, light breeze from SW by W. Course S by W 3/4 W. Fore and aft sail except spanker. Lighted back flying German colors; she saluted by dipping and we returned it. Av. steam 68 lbs. Aver. revs. 36.9

W. Roy Mason Jr.
Ensign U. S. N.

4 to 6 pm.

Clear and pleasant. Light airs from WSW. Long swell from S.W. Steering a course S by W 3/4 W. At 5.15 mustered at quarters. Secured at 5.25 went to fire quarters. 1st stream 2m 5sec; 2nd stream 2m 10sec; 3d stream 3m. At 6.00 took in fore and aft sails. Aver. steam 69 lbs. Aver. revs 39.2

Geo. Luthesman
Lieut. U. S. N.

6 to 8 pm.

Clear and pleasant. Very light airs from W'd. Av. steam 70 lbs. Av. revs. 38.5

[illegible]
Lieut. U. S. N.

8 pm to Mid.

Clear and pleasant. Barometer fluctuating. Light airs from W to NW Smooth sea, following swell. Dan'l Parker, M. Rodrigues, & R. J. Miller (Ord's stood extra watch from 8 to Mid.

J. F. Merriam
Lieut. U. S. N.

Examined and found to be correct.

H. K. Benson
Lieut; Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At sea, making passage from Porto Grande to Bahia, Brazil

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	6	4	435.0	S by W 3/4 W	Calm	0			30.15	81	80	79	80	b. w	cum	9	2
2	6	4	441.4	"	"	0			30.13	80	80	79	80	"	"	9	"
3	6	4	447.4	"	"	0			30.12	80	80	78	80	"	"	9	"
4	6	3	453.6	"	"	0			30.12	80	80	79	80	"	"	9	"
5	6	8	459.9	"	S W by W	1			30.11	81	80	78	80	"	"	9	"
6	6	6	466.0	"	"	1			30.11	81	80	79	80	"	"	9	"
7	6	6	472.4	"	"	1			30.12	80	79	78	80	"	"	9	"
8	6	6	479.1	"	"	1			30.13	80	79	78	80	"	"	9	"
9	6	6	485.5	"	NW	1			30.14	80	79	77	80	b c	"	7	8
10	1	0	486.3	"	"	1			30.14	80	79	77	80	"	"	3	"
11	1	0	486.3	"	"	1			30.14	80	80	78	80	"	"	3	"
Noon.	6	0	489.2	"	"	0			30.13	81	80	79	80	"	"	3	"

Course and distance made good since preceding noon by observations, South 1/55 knots. tenths.

Position at Noon:
- Latitude by D. R. — N 8 °57' 14"
- Longitude by D. R. — W 25 °42' 33"
- Latitude by observations of ⊙ — N 8 °45' "
- Longitude by chronometer from Forenoon Observations of ⊙ — W 25 °35' 48"

Position at 8 a. m.
- Latitude by D.R. from Noon alt-0 — N 8 °8' 00"
- Longitude by Chro — W 25 °35' 12"

Position at 8 P. M.
- Latitude by D.R. from Noon alt-0 — 7 °5' 1' 48"
- Longitude by Chro from P.m. Obs — 25 °36' 12"

Current during the time, knots 6 tenths per hour, setting to the S 35° E

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head — ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " — ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8-14 Am " S x W 3/4 W — W 16° 29' 00"

Variation of the Compass by Azimuth ⊙ observed at " — ° ' "

Water expended during the preceding 24 hours, 353 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2405 "

Coal consumed during the preceding 24 hours, 7 tons 870 lbs.

Coal remaining on hand at Noon, " "

P. M.																	
1	7	5	496.7	S by W 3/4 W	NNW	1			30.14	81	81	79	81	b c.	cum	6	5
2	7	0	503.7	"	"	1			30.11	81	81	79	81	"	"	6	"
3	6	9	510.6	"	"	1			30.11	81	80	79	81	"	cir. cum	2	"
4	6	3	516.9	"	"	1			30.10	81	80	79	81	"	"	0	"
5	6	6	523.5	"	SSW.	1			30.10	82	82	79	80	o c	cum str.	0	2
6	6	5	529.8	"	"	1			30.10	82	82	79	80	"	cum. nimb	0	"
7	6	2	536.2	"	"	2			30.12	82	82	79	80	b c g.	"	3	"
8	6	5	542.8	"	"	2			30.13	82	82	79	80	"	"	3	"
9	6	5	549.0	"	S by W	3			30.17	80	79	78	80	o c k	"	8	"
10	6	4	554.5	"	"	3			30.16	80	79	78	80	o c k	"	8	"
11	6	0	559.5	"	S S W.	3			30.18	80	78	77	80	"	"	8	"
Mid.	5	3	564.8	"	"	3			30.17	80	77	76	80	"	"	8	"

8-17
25-35

under the command of Commander A. S. Snow, U. S. Navy,
Saturday September 20th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 a.m.
Clear fine weather. Calm. Course S by W 3/4 W. Ships under steam alone. Aver. steam 69 lbs: Aver. revs: 36.9

W. Ry Mason Fild.
Ensign U. S. N.

4 to 8 a.m.
Clear and pleasant. Light airs from SW by W. Steering a course S by W 3/4 W. At 6.00 set fore and aft sails except spanker. Av. steam 69.5 lbs. Av. revs. 37.5

Geo. F. W. Holman
Lieut. U. S. N.

8 a.m. to Merid.
Cloudy pleasant weather. Very light airs from NW. Smooth sea with long NWly swell. At 9.30 mustered at quarters; inspected clothing & corrected clothing lists. At 9.00 stopped engines & made all square sail except main sail, at 11.10 started ahead with engines & furled all square sails. Av. steam 53 lbs: Av. revs: 36.4

F. Harrison
Lieut U. S. N.

Merid to 4 pm.
Bright and warm. Overcast last hour. Barometer falling. Light airs from NW. Hauled down fore and aft sail. Av. steam 53 lbs: Aver. revs: 36.

J. T. Newton
Lieut U. S. N.

4 pm to 6 pm.
Overcast and cloudy light airs from SSW. Heavy showers passing to leeward. Course S by W 3/4 W. Ships under steam alone. Aver steam 69.5 lbs Aver. revs: 37.5

W. Ry Mason Fild.
Ensign U. S. N.

6 to 8 pm.
Hazy. Heavy rain showers in sight about the horizon. Light breeze from SSW. Steering a course S by W 3/4 W. Aver. steam 70 lbs: revs 39.

Geo. F. W. Holman
Lieut. U. S. N.

8 pm to Mid.
Cloudy with heavy rain first hour, drizzling rain last three hours. Smooth sea with long SWly swell. Steaming. Av. steam 69 lbs: Av. revs 36.5

F. Harrison
Lieut. U. S. N.

Examined and found to be correct.

L. K. Knutson
Lieut, Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At sea, making passage from Porto Grande to Bahia, Brazil

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	5	1	569.7	S by W 3/4 W	N W by W & W S W	3-4			30.12	79	77	77	80	o. c.	cum. nimb	0	2
2	4	6	574.3	"	W S W	3-4			30.08	79	78	77	80	"	"	0	"
3	4	8	579.1	S by W 1/2 W	"	3-4			30.07	79	77	76	80	b. c.	cum	8	"
4	5	3	584.4	S by W 3/8 W	"	3-4			30.07	79	78	76	80	"	"	–	"
5	5	6	590.0	"	"	3-5			30.07	79	78	77	80	b. c. g. d.	nimb	2	"
6	5	3	595.0	"	S W by W	2-5			30.07	79	78	77	80	b. c. g. fo.	"	1	"
7	4	5	599.5	"	S W by S	1-3			30.07	77	76	76	80	o c g z	"	0	"
8	5	0	603.6	"	"	2			30.09	77	76	75	80	"	"	0	R
9	5	3	608.6	S by W 3/4 W	W S W	3			30.13	78	76	76	80	o. c r.	cum. nimb	0	"
10	4	7	613.6	"	"	3			30.14	76	75	75	80	"	"	0	"
11	4	8	618.6	"	W by S	4			30.13	76	75	75	80	"	"	0	–
Noon.	5	7	623.2	"	"	4			30.10	75	74	74	80	"	"	0	L

Course and distance made good since preceding noon by observations, S 2° W 135 knots tenths.

Position at Noon:
- Latitude by D. R. — N 6 ° 30 ' 54 "
- Longitude by D. R. — W 25 ° 42 ' 18 "
- Latitude by observations of ⊙ — ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ — ° ' "

Position at 8 a. m.:
- Latitude by D R. — N 6 ° 30 ' 54 "
- Longitude by D R. — W 25 ° 41 ' 18 "

Position at 8 P. M.:
- Latitude by — N 5 ° 59 ' 42 "
- Longitude by — W 25 ° 43 ' 48 "

Current during the time, knots 7 tenths per hour, setting to the E 23° S.

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head — ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " — ° ' "

Variation of the Compass by Azimuth ⊙ observed at " — ° ' "

Variation of the Compass by Azimuth ⊙ observed at " — ° ' "

Water expended during the preceding 24 hours, 325 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2080 "

Coal consumed during the preceding 24 hours, tons lbs.

Coal remaining on hand at Noon, " "

	Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
	P. M.																	
	1	5	0	627.9	S by W 3/4 W	W by S	4			30.09	75	74	74	80	o c r.	cum. nimb	0	R
	2	4	5	632.2	"	W S W	4			30.07	77	76	75	80	o c d.	"	0	"
	3	4	0	636.5	"	S W	4			30.05	78	78	76	80	"	"	0	"
6-14 25-43	4	3	5	639.9	"	S S W	4			30.06	78	77	76	80	"	"	0	"
	5	4	4	643.9	"	South	4			30.06	79	78	76	80	"	"	0	"
	6	4	1	648.0	"	S by W	4-5			30.06	78	77	76	80	"	"	0	"
	7	3	0	651.1	"	"	4-5			30.09	78	79	76	80	"	"	0	"
	8	2	0	652.0	"	"	2-5			30.14	78	79	77	80	"	"	0	"
	9	2	8	655.2	"	"	3-4			30.13	80	80	77	80	o c. p. g.	"	0	"
	10	3	7	659.2	"	"	3-5			30.15	80	80	77	80	b c g.	"	1	"
	11	3	5	662.2	"	"	3-5			30.15	80	79	77	80	o c. g.	"	0	"
	Mid.	3	6	665.0	"	"	3-5			30.14	80	79	77	80	"	"	0	"

under the command of Commander A. S. Snow, U. S. Navy,

Sunday September 21st, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 am.

Overcast first part, clear latter part. Gentle to moderate breeze after 12.30 from W & SW. Barometer falling. Aver. steam 69 lbs: Av. revs: 35

J. T. Newton
Lieut U. S. N.

4 to 8 am.

Fair then overcast with heavy rain in squalls: Course S by W 3/4 W. Gentle to stiff breeze from SW by W and SW by S. Ship under steam alone. Aver. steam 69 lbs. Aver. revs: 36.8

W Rg McFarland Field.
Ensign U. S. N.

8 am to Merid.

Overcast with heavy continuous rain. Gentle to moderate breeze from SW by S to W by S. Steering a course S by W 3/4 W. At 9 set fore and aft sails and took them in at 9.30. Set jib, fore topmast staysail, main staysail and spanker at 10.30. Jas: Dwyer (CH) was released from confinement by order of Comdg. Officer. Aver. steam 68, revs 35.1

Geo. F. W. Holman
Lieut U. S. N.

Merid to 4 pm.

Cloudy. Steady rain first hour, frequent passing showers of drizzling rain last three hours. Wind unsteady in force and direction varying from gentle to stiff breeze from W by S to South. Rough sea, ship pitching uneasily. Set fore and aft sails at 1.30 and took them in at 2.40. Av. steam 70 lbs: Av. revs: 36.

F. W. Coleman
Lieut. U. S. N.

4 to 6 pm.

Overcast. Two moderate rain squalls from S. Moderate wind from South and S by W. Barometer steady. Aver. steam 69 lbs: Avs: revs 38.8.

J. T. Newton
Lieut. U. S. N.

6 to 8 pm.

Overcast and drizzling, light to stiff breeze from S by W. Rough head sea. Ships steaming very slowly. Barometer rising. Pitching at times heavily. Av. steam 68½. Av. revs 35

W Rg McFarland Field.
Ensign U. S. N.

8 pm to Mid.

Overcast. Light passing shower. Several passing showers in sight. Moon partially visible through the clouds. Gentle breeze with moderate to stiff squalls from S by W. Steering a course S by W 3/4 W. Aver. steam 68 lbs; revs: 36

Geo. F. W. Holman
Lieut. U. S. N.

Examined and found to be correct.

M. K. Lewis
Lieut, Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At sea, making passage from Porto Grande to Bahia, Brazil.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	3	4	668.4	S by W ¾ W	S S W.	4			30.11	79	79	77	80	o.c.	nimb	0	R
2	4	0	672.8	"	"	4			30.09	79	79	77	80	b.c.	cum. nimb	2	"
3	4	6	676.9	"	"	3			30.09	79	79	76	80	"	"	2	"
4	4	6	681.4	"	"	3			30.10	79	79	76	80	"	"	2	"
5	5	0	685.5	"	S by W	3-4			30.12	79	79	76	80	"	"	2	"
6	5	2	690.5	"	"	3-4			30.13	79	79	76	80	"	"	2	"
7	5	5	696.0	"	"	3-4			30.14	79	79	76	80	"	"	4	"
8	5	6	701.2	"	"	3-4			30.15	79	79	77	80	"	"	2	"
9	5	0	706.0	"	"	3			30.16	80	80	77	80	"	"	3	"
10	5	3	711.3	"	"	3			30.17	81	81	77	80	"	"	4	"
11	4 5	5 6	715.8 716.4	S W.	"	3			30.16	81	81	78	80	"	"	4	"
Noon.	5	6	722.3	S W by W	"	3			30.15	80	79	77	80	"	"	4	"

Course and distance made good since preceding noon by observations, S 11° E 116 knots. tenths.

Position at Noon:
- Latitude by D. R. — N 4 ° 50' 54"
- Longitude by D. R. — W 25° ° 50' 12"
- Latitude by observations of ⊙ — N 4 ° 37' 40"
- Longitude by chronometer from Forenoon Observations of ⊙ — W 25° ° 19' 48"

Position at 8 a. m.
- Latitude by D.R. from mer alt- — N 4 ° 56' 34"
- Longitude by Chrs — W 25° 15' 54"

Position at 8 P. M.
- Latitude by Mer alt- ☉ — N 3 ° 57' 34"
- Longitude by P.M. Chrs — W 25° 51' 36"

Current during the time, knots 7 tenths per hour, setting to the E 23° S

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Error — Variation of the Compass by Azimuth ⊙ observed at 8-18 Am. " S x W ¾ W W 18° 20' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 336 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1744 "

Coal consumed during the preceding 24 hours, 9 tons 180 lbs.

Coal remaining on hand at Noon, 124 " 635 "

P. M.																	
1	6	2	728.1	S W by W	South	3			30.11	80	79	76	80	b.c.	cum	6	R
2	6	5	734.9	"	S by W	4			30.09	79	79	76	80	"	"	6	"
3	6	6	741.1	"	S S W	3			30.08	79	79	76	80	"	"	7	"
4 (4-17 28-37)	6	6	747.6	"	S by W	4			30.08	79	79	76	80	"	cum. nimb	7	"
5	6	4	753.9	"	"	4			30.10	80	79	76	80	"	"	7	M
6	6	4	760.1	"	"	4			30.12	80	79	76	80	"	"	7	"
7	6	2	766.5	S W ¾ W	S by W. to S.	3			30.13	80	78	76	80	"	"	7	"
8	6	0	772.4	S W ¼ W	"	3			30.16	80	78	76	80	"	"	7	"
9	6	2	778.3	"	South	3			30.17	80	78	76	80	"	cir. cum	8	"
10	6	4	784.3	"	"	3			30.20	80	77	76	80	"	"	6	"
11	6	0	790.3	S W ½ S	S by E	3			30.20	79	77	76	80	"	"	6	"
Mid.	6	0	796.3	S W by S	"	3			30.20	79	77	75	80	"	"	5	"

under the command of Commander A. S. Snow, U. S. Navy,

Monday September 22nd, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 am.

Cloudy; a few stars occasionally visible for short intervals: Moderate to gentle breze from SSW. Rough sea moderating last two hours: Av. steam 70 lbs: revs: 37.1

~~F. Harrison~~
Lieut. U. S. N.

4 to 8 am.

Cloudy and pleasant. Barometer steady, gentle to moderate breze from S by W.

J. Newton
Lieut. U. S. N.

8am to Merid.

The Condg Officer ordered the following punishments:

W. E. Stevens (Appr) Indifferent at drill. 8 hours extra duty.
Jas. Dwyer (Ck) Shirking. — 12 hours extra duty
R. Wentz (Pvt) coming to quarters with dirty rifle and generally dirty. — 2 hours extra duty.
Jas. Quigley (Pvt) Neglect of duty on post. Allowing men to smoke after hours. — 6 hours extra duty.
P. Dougherty (Pvt), Jas. Quigley (Pvt), J. Gregory (Appr) Not coming aft to man gear when ordered to, while on watch.
D. Parker (Lds) Fighting. — 4 hours extra watch.

...steered at quarters and ...to let fore & aft sails draw ...ry. Av. steam 70 lbs revs 38.8

W Roy Mason Field
Ensign U. S. N.

...me South to SSW. ...far as SW by W. if ...H.S

Jno F. Hoffman
Lieut. U. S. N.

...oderate sea from South.

~~F. Harrison~~
Lieut. U. S. N.

6 to 8 pm.

Clear and pleasant. Barometer rising, gentle breze from S by W. and South. Clouds from SSW. Lowell from S by E. Av. steam 69½ lbs: revs: 40.7

J. Newton
Lieut. U. S. N.

8 pm to Merid

Clear fine weather, gentle breze from S. to S by E. Course SbyW 3/4W. Fore & aft sail. Aver. steam 70 lbs: Av. revs 39.3

W Roy Mason Field
Ensign U. S. N.

Examined and found to be correct.

H. K. Hamilton
Lieut., Navigator.

under the command of Commander A. S. Snow, U. S. Navy,

Monday September 22nd, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 am.

Cloudy; a few stars occasionally visible for short intervals: Moderate to gentle breze from SSW. Rough sea moderating last two hours: Av. steam 70 lbs: revs: 37.1

~~F. Morris~~

Lieut. U. S. N.

4 to 8 am.

Cloudy and pleasant. Barometer steady, gentle to moderate breze from S by W. Av. steam 70 lbs: Av. revs: 37 Sent down light yards:

J. T. Newton

Lieut. U. S. N.

8 am to Merid.

Clear fine weather, gentle breze from S by W. Mustered at quarters and exercised at Battalion drill. At 10.50 changed course to let fore & aft sails dean, nothing to leeward of SW by W. Loosed light sails to dry. Av. steam 70 lbs revs 38.0

W Roy Mason Field.

Ensign U. S. N.

Merid to 4 pm.

Clear and pleasant. Gentle to moderate breze from South to SSW. Course S by W 3/4 W with orders to Keep off to Westward as far as SW by W. if necessary to Keep fore and aft sails full. Av. steam 70 lbs: revs 41.3

Geo F. Wadleigh

Lieut. U. S. N.

4 to 6 pm

Pleasant weather. Moderate breze from S by W. Moderate sea from South. Aver. steam 70 lbs: revs 41.6

~~F. Morris~~

Lieut. U. S. N.

6 to 8 pm.

Clear and pleasant. Barometer rising, gentle breze from S by W. and South. Clouds from SSW. Sorell from S by E. Av. steam 69 1/2 lbs: revs: 40.7

J. T. Newton

Lieut. U. S. N.

8 pm to Merid

Clear fine weather, gentle breze from S. to S by E. Course S by W 3/4 W. Fore & aft sail. Aver. steam 70 lbs: Av. revs 39.3

W Roy Mason Field.

Ensign U. S. N.

Examined and found to be correct.

H. K. Lamson

Lieut., Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At sea, making passage from Porto Grande to Bahia, Brazil.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	6	2	802.5	S Wby S	S by E.	4-3			30.15	79	77	75	80	b.c.	cum.	6	M
2	6	3	809.0	"	"	4-3			30.10	78	77	75	80	"	"	5	"
3	6	3	815.3	"	"	4-3			30.10	79	77	75	80	b.c.	"	0	"
4	6	3	821.4	"	"	3			30.11	79	77	74	80	"	"	0	"
5	6	3	827.3	"	"	3			30.12	78	77	75	80	b c	"	7	"
6	6	4	833.7	"	"	3			30.14	78	76	74	80	"	"	7	"
7	6	2	839.9	S SW 3/4 W	S S E	3			30.16	77	77	75	80	"	"	7	"
8	6	3	846.0	S SW 1/2 W	"	3			30.17	78	77	75	80	"	"	7	"
9	6	0	852.0	S SW	"	3			30.18	78	78	74	80	"	cir. str. cum.	8	"
10	6	8	858.8	"	"	3			30.20	79	77	75	80	"	"	8	"
11	6	5	865.3	"	S E by S	3	-		30.18	79	77	75	80	"	"	8	"
Noon.	7	2	872.5	"	"	3			30.17	79	77	75	79	"	"	8	"

Course and distance made good since preceding noon by observations, S 23° W 15.2 knots. tenths.

Position at Noon:
- Latitude by D. R. — N 2 ° 21' 28"
- Longitude by D. R. — W 26 ° 16' 00"
- Latitude by observations of ⊙ — N 2 ° 17' 39"
- Longitude by chronometer from Forenoon Observations of ⊙ — W 26 ° 19' 48"

Position at 8 a. m.
- Latitude by mer alt - ⊙ — N 2 ° 43' 57"
- Longitude by Chro — W 26 ° 17' 12"

Position at 8 P. M.
- Latitude by mer alt - ⊙ — N 1 ° 45' 03"
- Longitude by P.m. Chro. — W 26 ° 43' 12"

Current during the time, knots 2 tenths per hour, setting to the W 46° N

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8-14 Pm. " S S W 1/4 W W 18 ° 33' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 328 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1416 "

Coal consumed during the preceding 24 hours, 8 tons 120 lbs.

Coal remaining on hand at Noon, 116 " 515 "

P. M.																	
1	5	8	878.3	S by W 3/4 W	S E by S.	3			30.15	78	75	74	80	b c	cir. str.	8	M
2	4	7	881.8	S W by S	"	3			30.14	77	76	74	80	"	"	8	"
W 2-00 3	4	7	887.3	S W by W	S S E	3		1/2	30.14	77	76	74	80	"	"	8	"
26-33 4	5	0	891.8	"	"	3		1/2	30.12	77	76	74	80	"	"	8	"
5	4	9	896.5	"	S by E	3	3	1/4	30.12	77	76	74	80	"	cum	8	"
6	4	7	901.0	S W 1/2 W	S S E	3	3	1/4	30.13	77	76	74	80	"	"	8	"
7	4	2	905.2	S W 1/4 W	"	3	3	1/4	30.15	78	76	74	79	"	"	5	"
8	4	0	909.2	S W 1/4 S	S E by S	3	3	1/4	30.17	79	76	74	79	"	"	5	"
9	4	8	913.9	S W 1/2 S	"	3	3	1/4	30.17	79	76	74	79	"	circum.	8	SL
10	5	0	918.2	S W 3/4 S	"	3	3	1/4	30.18	79	76	74	79	"	"	8	"
11	4	8	923.0	"	"	3	3	1/4	30.19	78	76	74	79	"	"	8	"
Mid.	4	2	927.2	"	"	3	3	1/4	30.17	78	76	74	79	"	"	8	"

under the command of Commander A. S. Snow, U. S. Navy,
Tuesday September 23d, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Midnight to 4 a.m.

Clouding over. Moderate to gentle breeze from S by E. Course S by W 3/4 W. keeping off when necessary as far as S W by W. to keep fore and aft sails full. Aver. steam 70 lbs; Aver. revs: 41.7

Jos. F. Wolleman
Lieut U. S. N.

4 to 8 a.m.

Generally clear & pleasant. Gentle breze from S by E to S S E. Moderate sea, with light S E. ly swell. Steaming. Aver. steam 68.5 lbs Aver. revs. 39.5

F. Terrill
Lieut. U. S. N.

8 am to Merid.

Clear and pleasant. Gentle trade breze from S S E. and S E by S. Barometer fluctuating. At 9.30 mustered at quarters. Drilled as follows. 1st Div. Field guns, 2nd Div. Infantry, 3d, Great guns. Powd. Div. revolvers. Navy. Div. Field guns. Av. steam 70 lbs; revs 41.3

J. T. Newton
Lieut U. S. N.

Merid to 4 pm.

Clear fine weather gentle breze from S E by S. and S E. Course S by W 3/4 W. At 1.00 crossed light yards and bent the gear. Stopped engines and uncoupled the propeller at 1.20 and at 3.30 hauled fires. Made plain sail to royals and hauled down main and mizzen topmast staysails.

W Rogers Mason Jr.
Ensign U. S. N.

4 to 6 pm.

Clear and pleasant. Gentle breze from S by E and S S E. Steering full and by. At 5. 15 mustered at quarters.

Jos. F. Wolleman
Lieut. U. S. N.

6 to 8 pm.

Fair, pleasant weather. Gentle breze from S S E to S E by S. Moderate sea.

F. Terrill
Lieut. U. S. N.

8 pm to Mid.

Clear, pleasant, bright moonlight. Barometer steady. Gentle breze from S E by S. Smooth sea. long swell from S E by S. M. Rodrigues (Ldg) stood extra watch from 8 to Midnight.

J. T. Newton
Lieut. U. S. N.

Examined and found to be correct.

[illegible]
Lieut, Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At sea making passage from Porto Grande to Bahia, Brazil.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	4	0	931.3	SW½S	SE	3			30.17	78	76	74	80	b c.	cum	5	8
2	3	0	934.3	SSW⅝W	"	2			30.16	78	76	74	80	"	"	6	"
3	2	4	936.3	SSW⅜W	"	2			30.12	77	76	74	79	"	str.	8	"
4	2	8	938.8	SSW½W	"	2			30.12	77	76	74	79	"	"	8	"
5	3	0	941.0	SW by S	SE by S	3		½	30.12	76	75	73	78	"	cum	9	"
6	3	6	944.7	SW¾S	"	3		¼	30.13	76	75	73	78	"	"	9	"
7	3	7	948.7	SSW¾W	"	3		¼	30.14	76	75	73	78	"	"	9	"
8	3	7	952.5	SSW½W	"	3		¼	30.15	78	76	75	78	"	"	9	"
9	4	0	956.2	"	"	3		¼	30.16	78	76	75	78	"	"	5	"
10	4	2	960.0	"	"	3		¼	30.18	78	76	75	78	"	"	5	"
11	4	1	964.1	"	"	3		¼	30.18	78	76	74	78	"	"	5	"
Noon.	4	7	968.8	"	"	3		¼	30.15	78	76	74	79	"	"	8	"

Course and distance made good since preceding noon by observations, S 28° W 111 knots tenths.

Position at Noon:
- Latitude by D. R. — N 0 ° 46 · 27 "
- Longitude by D. R. — W 26 ° 53 · 42 "
- Latitude by observations of ⊙ — N 0 ° 39 · 22 "
- Longitude by chronometer from Forenoon Observations of ⊙ — W 27 ° 16 · 46"

Position at 8 a. m.
- Latitude by mer alt-⊙ — N 0 ° 05 · 00 "
- Longitude by chro. — 27 ° 07 · 40 "

Position at 8 P. M.
- Latitude by mer alt-⊙ — N 0 ° 05 · 58 "
- Longitude by Pam. Cels — W 27 ° 21 · 09 "

Current during the time, knots 8 tenths per hour, setting to the W 22° S

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8-10 Am. " S W x S — W 18 ° 52 · " "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 336 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1080 "

Coal consumed during the preceding 24 hours, tons 1840 lbs.

Coal remaining on hand at Noon, 115 " 275 "

P. M.																
1	3	5	972.3	SSW½W	SSE.	3		¼	30.13	77	76	74	76	b c.	cum	8	SE
2	3	8	976.1	SSW	"	3		¼	30.10	77	76	74	76	"	"	8	"
3	3	6	980.0	S by W¾W	SE by E	3		¼	30.08	76	76	74	76	"	"	8	"
4	4	4	984.3	"	"	3		¼	30.06	76	76	74	78	"	"	8	"
5	5	0	988.6	"	"	3		¼	30.06	76	75	74	77	"	"	8	"
6	5	0	993.0	"	"	3		¼	30.09	77	75	74	76	"	"	8	"
7	4	9	997.3	"	"	3		¼	30.10	78	75	74	76	"	cum. str.	9	"
8	4	7	1001.8	"	"	3		¼	30.12	78	76	74	76	"	str.	9	"
9	5	0	1006.8	"	"	3		¼	30.16	78	76	74	76	"	cir. cum	9	"
10	5	0	1011.5	"	"	3		¼	30.16	78	76	74	76	"	"	9	"
11	5	0	1016.1	"	"	3		¼	30.16	77	76	74	76	"	"	9	"
Mid.	4	8	1021.0	"	"	3		¼	30.15	77	76	74	76	"	"	6	"

N ⊙-24 27.20

under the command of Commander A. S. Snow, U. S. Navy,
Wednesday September 24th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 a.m.
Clear and pleasant, gentle to light breeze from S, E. Course S by W 3/4 W. "Full and by" all the watch.

W Roy Mason Jr.
Ensign U. S. N.

4 to 8 a.m.
Clear and pleasant. Gentle breeze from SE by S. Steering "Full and by." Course S by W 3/4 W. At 5 started fires for distilling under B. boiler.

Geo. F. W. Holman
Lieut. U. S. N.

8 a.m. to Merid.
Partly cloudy but warm and pleasant weather. Gentle breeze from SE by S. Steering "full and by" under plain sail except mainsail.

[illegible]
Lieut. U. S. N.

Merid to 4 pm.
Bright and pleasant. Barometer falling. Gentle breeze from S. S E and SE by E. Close hauled port tack, making course. Last part of watch. Set gaff topsail. Commenced distilling. Occasional long swell from S S E.

J. T. Newton
Lieut. U. S. N.

4 to 6 pm.
Clear very fine weather. Gentle breeze from SE by E. Course S by W 3/4 W. Plain sail to royals.

W Roy Mason Jr.
Ensign U. S. N.

6 to 8 pm.
Clear and pleasant. Bright moonlight. Gentle breeze from SE by E Steering full and by making the course S by W 3/4 W.

Geo. F. W. Holman
Lieut. U. S. N.

8 pm to Mid.
Clear and pleasant. Gentle breeze from SE by E. Smooth sea. Steering course S by W 3/4 W.

[illegible]
Lieut. U. S. N.

Examined and found to be correct.

E. K. Lunt
Lieut, Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At sea making passage from Porto Grande to Bahia, Brazil

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	4	8	1026.0	SbyW 3/4W	SEbyE	3			30.11	76	75°	73	76	b c.	cum	8	SE
2	4	4	1030.4	"	"	3			30.09	76	75°	73	76	"	"	8	"
3	4	2	1034.0	"	ESE	3			30.09	76	75°	74	76	"	"	8	"
4	3	8	1037.8	"	"	3			30.09	76	75°	73	76	"	"	8	"
5	3	0	1041.0	"	EbyS	2			30.10	76	75°	74	76	"	"	8	"
6	3	2	1044.0	"	"	2			30.12	76	75°	73	76	"	"	9	"
7	3	6	1047.6	"	"	3			30.15	76	75°	74	76	"	"	9	"
8	3	7	1051.3	"	"	3			30.17	77	75°	74	76	"	"	9	"
9	3	9	1055.4	"	SEbyE	3			30.18	78	77	75°	76	"	"	9	"
10	4	4	1059.8	"	"	3			30.19	78	77	75°	76	"	"	9	"
11	4	1	1063.7	"	"	3			30.18	77	77	76°	77	"	"	6	"
Noon.	4	0	1067.6	"	"	3			30.16	77	77	75°		"	"	7	"

Course and distance made good since preceding noon by observations, S 11° W 101 knots. tenths.

Position at Noon:
- Latitude by D. R. S 0 °59'.56"
- Longitude by D. R. W 27 °16'.16"
- Latitude by observations of ⊙ S 0 °59'.30"
- Longitude by chronometer from Forenoon Observations of ⊙ W 27 °29'.48"

Position at 8 a. m.:
- Latitude by mer alt - ⊙ S 0 °43'.40"
- Longitude by Chro W 27 °29'.00"

Position at 8 P. M.:
- Latitude by mer alt - ⊙ S 1 °36'.5.4"
- Longitude by Pgm. Chro W 27 °32'.48"

Current during the time, knots 6 tenths per hour, setting to the W 2° N

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8-15 Am. " SxW 3/4W W 18 °36' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 335 gallons.

Water Distilled during the preceding 24 hours, 215 "

Water remaining on hand fit for use at Noon, 1960 "

Coal consumed during the preceding 24 hours, 1 tons 1760 lbs.

Coal remaining on hand at Noon, 113 " 1755 "

P. M.																
1	5	2	1072.0	SW	SEbyE	3	30.12	77	77	74	77	b c.	cum	9	S
2	5	2	1077.1	"	"	3	30.12	77	77	75°	77	"	"	9	"
3	5	0	1082.0	"	"	3	30.08	77	77	75°	77	"	"	9	"
4	5	2	1087.2	"	"	3	30.06	77	77	75°	77	"	"	9	"
5	5	3	1093.	"	SEbyS	3	30.06	77	76	75°	76	"	"	9	SE
6	5	5	1098.	"	"	3	30.06	77	76	75°	76	"	"	9	"
7	6	0	1103.5	"	"	3	30.10	77	76	75°	76	"	cir	9	"
8	6	0	1109.5	"	"	3	30.11	78	76	75°	76	"	"	8	"
9	5	8	1114.5	"	SSE	3	30.12	78	76	74	76	"	cir. cum	8	"
10	5	6	1119.5	"	"	3	30.14	78	76	75°	76	"	"	8	"
11	5	7	1124.5	"	"	3	30.14	77	76	75°	76	"	"	8	"
Mid.	5	9	1130.2	"	"	3	30.14	77	76	74	76	"	"	7	"

S 1-17 27-43

under the command of Commander A. S. Snow, U. S. Navy,

Thursday September 25th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 a.m.
Clear, pleasant, moonlight. Barometer falling at first. Under square sail except mainsail and fore and aft sails except main and mizzen topmast staysails. Distilling. Gentle breeze from SE by E and SE

J. F. Meerlon
Lieut. U. S. N.

4 to 8 a.m.
Clear fine weather. Light to gentle breeze from ESE. Course S by W 3/4 W. Plain sail to royals except mainsail. Distilling

W Rx. Mason Field
Ensign U. S. N.

8 a.m. to Merid.
Clear and pleasant. Gentle breeze from SE by E. Steering a course S by W 3/4 W. At 9.30 mustered at quarters and drilled according to routine. At 12.00 changed course to SW. Distilling.

Geo. W. Logan
Lieut. U. S. N.

Merid to 4 p.m.
Clear, warm and pleasant. Gentle breeze from SE by E. Course SW.

~~Horrison~~
Lieut. U. S. N.

4 to 6 p.m.
Clear and pleasant. Barometer steady. Gentle breeze from SE by S. Course SW.

J. Wheeler
Lieut. U. S. N.

6 pm to 8 pm.
Clear, fine weather. Gentle breeze from SE by S. Course SW. Hauled down main and mizzen topmast staysails. Plain sail to royals. Distilling.

W Rx Mason Field
Ensign U. S. N.

8 pm to Mid.
Clear and pleasant. Gentle breeze from SSE. Steering a course SW. At 9.30 stopped distilling and hauled fires.

Geo. W. Logan
Lieut. U. S. N.

Examined and found to be correct.

H. K. Lewis
Lieut, Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At sea, making passage from Porto Grande to Bahia, Brazil.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	5	3	1135.5	SW.	S.S.E.	3		1/2	30.11	77	76	74	76	bc	cum	7	S
2	5	4	1140.8	"	"	3		1/2	30.09	77	75	74	76	"	"	9	"
3	5	4	1146.0	"	"	3		1/2	30.07	77	75	74	76	"	"	9	"
4	5	4	1151.4	"	"	3		1/2	30.07	77	75	74	76	"	"	9	"
5	5	6	1157.0	"	SE by S	3		1/4	30.08	77	75	74	76	"	"	9	"
6	5	2	1162.0	"	"	3		1/4	30.10	77	75	74	76	"	"	9	"
7	5	2	1167.2	"	"	3		1/4	30.12	77	76	74	76	"	"	9	"
8	5	5	1172.4	"	"	3		1/4	30.13	78	76	74	76	"	"	9	"
9	1	8	1176.0	SWby W1/2 W	SE	3			30.15	78	76	75	76	"	"	9	"
10	3	0	1180.2	N.	"	3			30.15	78	78	75	76	"	"	9	"
11	1	8	1182.0	SW.	"	3			30.13	78	77	75	76	"	"	9	"
Noon.	4	6	1186.5	SW.	"	3			30.11	78	78	75	76	"	"	9	"

Course and distance made good since preceding noon by observations, S 35° W 107 knots tenths.

Position at Noon:
- Latitude by D. R. S 2 °40' 30"
- Longitude by D. R. W 28 °19' 30"
- Latitude by observations of ⊙ S 2 °27' 04"
- Longitude by chronometer from Forenoon Observations of ⊙ W 28 °31' 42"

Position at 8 a. m.
- Latitude by Sun alt. ⊙ S 2 °21' 22"
- Longitude by Chrs. W 28 °27' 00"

Position at 8 P. M.
- Latitude by Sun alt. ⊙ S 2 °36' 04"
- Longitude by Pgn. Chrs. W 28 °30' 03"

Current during the time, knots 7 tenths per hour, setting to the W 48° N

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 340 gallons.

Water during the preceding 24 hours, 1105 "

Water remaining on hand fit for use at Noon, 2725 "

Coal consumed during the preceding 24 hours, tons 1840 lbs.

Coal remaining on hand at Noon, 112 " 2155 "

P. M.															
1	4	4	1191.1	SW.	SE.	3		30.09	78	77	75	76	bc	cum	9	S.
2	4	2	1196.0	"	"	3		30.07	78	77	75	77	"	"	8	"
3	4	0	1198.3	"	"	3		30.05	78	77	75	78	"	"	8	"
4 (2-42 28-43)	3	9	1202.5	"	"	2		30.05	78	77	75	77	"	"	8	"
5	3	5	1206.0	"	"	2		30.06	77	77	75	77	"	"	9	"
6	3	9	1210.	"	"	2		30.07	77	7	7	7	"	"	9	"
7	4	2	1214.2	"	SE by S	3		30.09	78	76	75	77	"	"	6	"
8	5	0	1218.6	"	"	3		30.11	78	76	74	77	"	"	7	"
9	5	0	1223.9	"	"	3	1/4	30.13	78	76	75	76	"	None	10	"
10	4	1	1227.	"	E.S.E.	2	1/4	30.15	78	76	75	76	"	cum	9	"
11	4	5	1231.5	"	"	2	1/4	30.15	78	76	75	76	"	cir. cum	2	"
Mid.	4	0	1235.5	"	"	2	1/4	30.13	79	76	75	76	"	"	2	"

under the command of Commander A. S. Snow, U. S. Navy,
Friday September 26th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid. to 4 am.
Clear and pleasant. Bright moonlight. Gentle breze from SSE. Smooth sea. Course SW. Ship under all plain sail except main sail.
Lieut. U. S. N.

4 to 8 am.
Clear and pleasant. Smooth sea. Barometer pissing. Gentle breze from SE by S. Cleaned bilges. Sail alone.
Lieut U. S. N.

8 am to Merid.
Clear fine weather gentle breze from E. Swinging ship for compass deviations by working around from SW to E. Finished at 10.36 and then boxed around to SW. Sailed in P. Leg. while working ship. Beat to general quarters and exercised divisions. Reported ready. Marg Div. 2nd Sect Div. 3m 10sec, 2nd Div. 3m 16sec, 3d Div. 4m Powder Div. 3m 57sec, Engrs: 2m 15sec, Pay Div. 0m 41sec, Sarg Div. 0m 40sec, Mainer 2m 45sec. Loosed mainsail to dry and reefed it.
W Roy Mason Field
Ensign U. S. N.

Merid to 4 pm.
Clear and pleasant. Gentle to light breze from SE. Steering a course SW. At 12.30 set main and miggen topmast staysails and at 1.30 set mainsail, single reefed to clear the smokestack.
Geo. F. W. Holman
Lieut. U. S. N.

4 to 6 pm.
Clear and pleasant. Light breze from SE. Smooth sea. At 5.13 went to fire quarters: 1st Steam, 1m 34sec, 2nd, 2m 00sec, 3d, 1m 8sec.
Lieut U. S. N.

6 to 8 pm.
Clear and pleasant, Moonlight. Gentle breze from SE by S. Barometer steady.
Lieut. U. S. N.

8 pm to Mid.
Clear fine weather light breze from SE by S. veering to ESE. Set main and miggen topmast stagsail. Course SW. Ship under all sail.
W Roy Mason Field
Ensign U. S. N.

Examined and found to be correct.

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At sea, making passage from Porto Grande to Bahia, Brazil.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	3	0	238.0	SW	ESE	1			30.10	78	77	76	76	b c	cum nimb	1	S
2	2	4	240.3	"	"	1			30.08	78	77	76	76	"	"	1	"
3	3	2	244.3	"	SE by E	1-3			30.08	78	77	76	76	"	"	3	"
4	4	8	249.7	"	"	3			30.07	77	76	75	76	"	"	3	"
5	4	3	252.0	"	SE by S.	3		½	30.06	77	75	75	76	b.c.p.	"	5	"
6	5	7	259.7	"	"	2-4		½	30.07	76	76	75	76	b c. p. g.	"	2	"
7	4	6	264.3	"	SE by E	2-4		¼	30.09	76	75	74	76	b. c. p. g.	"	0	"
8	4	0	268.0	"	SE by E & SSE	3-5		½	30.09	77	76	75	77	b c g. d.	"	1	"
9	4	2	272.2	"	SE	3-5		½	30.12	77	76	75	77	"	"	1	"
10	6	4	278.4	"	"	3-5		½	30.12	77	76	75	77	o. c. g. d.	"	0	W
11	6	6	285.3	S W ¾ W	SE by S	5		½	30.13	78	77	75	77	b c.	"	2	"
Noon.	7	0	292.4	S W ½ W	"	5		½	30.12	78	78	75	77	"	str. cir. cum	5	"

Course and distance made good since preceding noon by observations, S 35° W 109 knots tenths.

Position at Noon:
- Latitude by D. R. — S 3 ° 57' 46"
- Longitude by D. R. — W 29 ° 21' 06"
- Latitude by observations of ⊙ — S 3 ° 56' 42"
- Longitude by chronometer from Forenoon Observations of ⊙ — W 29 ° 34' 00"

Position at 8 a. m.
- Latitude by Mer alt ⊙ — S 3 ° 37' 00"
- Longitude by Chron — W 29 ° 18' 00"

Position at 8 P. M.
- Latitude by Mer alt ⊙ — S 4 ° 38' 28"
- Longitude by P.M. Chron — W 30 ° 10' 36"

Current during the time, knots 5 tenths per hour, setting to the W 13° N

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head — ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " — ° ' "

Variation of the Compass by Azimuth ⊙ observed at " — ° ' "

Variation of the Compass by Azimuth ⊙ observed at 3-5-3 Pm " SW ¾ W — W 17 °5-6' "

Water expended during the preceding 24 hours, 350 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2875 "

Coal consumed during the preceding 24 hours, tons 1540 lbs.

Coal remaining on hand at Noon, 112 " 615 "

P. M.																	
1	7	4	298.9	S W ¾ W	ESE	5		¼	30.09	79	78	76	77	b c	cir	3	Mk
2	7	2	305.7	S W by W	"	5		¼	30.07	79	77	76	77	"	cir cum	3	"
3	6	8	312.5	S W ¾ W	"	4		¼	30.05	78	78	75	77	"	"	4	"
4	7	0	319.5	S W ½ W	"	5		¼	30.05	78	77	74	77	"	"	5	"
5	7	2	326.6	S W by W	S by E	5		¼	30.04	78	78	74	77	"	"	5	"
6	7	5	333.5	S W ½ W	S S E	5		¼	30.06	78	77	74	77	"	"	6	"
7	7	5	340.3	S W ¼ W	SE by S.	5		¼	30.07	80	77	73	77	"	"	6	"
8	7	5	347.3	S W.	"	5		¼	30.10	80	77	73	77	"	"	8	"
9	6	6	353.9	"	"	4		¼	30.10	80	77	73	77	"	"	8	"
10	6	5	360.4	"	"	4		¼	30.11	80	77	73	77	"	"	8	"
11	6	7	367.1	"	"	4		¼	30.12	80	77	73	77	"	"	8	"
Mid.	6	5	373.2	"	"	4		¼	30.10	80	77	73	77	"	"	3	"

S 4-17 29-53

under the command of Commander A. S. Snow, U. S. Navy,

Saturday September 27th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 a.m.

Cloudy with partly clear intervals. Light airs from ESE. first part, hauling at 2.15 to SE by S and increasing in force to gentle breeze. Several passing showers in sight. Steering a course SW. At 2.20 hauled down main topmast staysail and mizzen topmast staysail.

Geo. H. Holman
Lieut. U.S.N.

4 to 8 a.m.

Overcast, squally. Wind generally SE. shifting in pairs squalls to SSE.

J. T. Newton
Lieut. U.S.N.

8 a.m. to Meridian

Overcast with several drizzling rain squalls first two hours: Clearing overhead last two hours. Moderate to stiff breeze from SE to SSE in light squalls first part, steady last two hours. Moderate sea.

[illegible]
Lieut. U.S.N.

Meridian to 4 p.m.

Clear fine weather. Stiff to moderate breeze from ESE. Raine sail topgallant sails. Course SW. full and by. Sea moderate

W. Roy Mason Jr.
Ensign U.S.N.

4 to 6 p.m.

Clear and pleasant. Stiff breeze from S by E to SSE. Steering full and by. Course SW. At 5.15 sighted a sail ahead from aloft.

Geo. H. Holman
Lieut. U.S.N.

6 to 8 p.m.

Clear and pleasant, Bright moonlight. Stiff breeze from SE by S. Moderate sea.

[illegible]
Lieut. U.S.N.

8 p.m. to Midnight.

Clear, pleasant. Clouding over at end of watch. Barometer fluctuating. Moderate breeze from SE by S. Course SW. Moderate sea.

J. T. Newton
Lieut. U.S.N.

Examined and found to be correct.

[illegible]
Lieut, Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At sea, making passage from Porto Grande to Bahia, Brazil.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	6	4	379.2	SW	SE by S	4		1/4	30.12	79	76	73	76	b. c.	cum	6	M
2	6	8	385.5	"	"	4		1/4	30.11	79	76	73	76	"	"	6	"
3	6	8	392.2	"	"	4		1/4	30.09	79	76	73	76	"	"	4	"
4	6	4	398.1	"	"	4		1/4	30.08	79	77	74	76	"	"	3	"
5	6	6	404.6	"	"	4-5		1/4	30.07	78	76	73	76	b. c. fo.	cum nimb	3	"
6	7	1	411.7	"	"	4-5		1/4	30.08	77	76	73	76	"	"	1	"
7	6	9	418.2	"	"	4-5		1/4	30.11	77	76	73	77	o. c.	"	0	"
8	7	2	425.3	"	"	4-5		1/4	30.14	78	77	73	77	b. c.	"	1	"
9	7	2	432.4	"	"	5		1/4	30.19	78	77	73	77	"	"	2	"
10	7	2	439.2	"	"	4		1/4	30.19	79	77	74	77	"	"	4	"
11	7	5	446.2	"	SE by E	4		0	30.17	79	78	74	77	"	"	5	"
Noon.	7	8	453.2	"	"	4		0	30.16	80	78	74	77	"	"	7	"

Course and distance made good since preceding noon by observations, S 39° W 161 knots, tenths.

Position at Noon:
- Latitude by D. R. — S 6 ° 07' 28"
- Longitude by D. R. — W 31 ° 07' 12"
- Latitude by observations of ⊙ — S 6 ° 01' 53"
- Longitude by chronometer from Forenoon Observations of ⊙ — W 31 ° 15' 09"

Position at 8 a. m.:
- Latitude by mer alt ☉ — S 5 ° 59' 05"
- Longitude by Chro — W 31 ° 01' 57"

Position at 8 P. M.:
- Latitude by mer alt ☉ — S 6 ° 48' 53"
- Longitude by Chro P.m. obs — W 31 ° 57' 27"

Current during the time, 0 knots 3 tenths per hour, setting to the W 35° N

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8-19 Am. " S.W. — W 16 ° 36' 00"

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 335 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2040 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 112 " 215 "

P. M.																	
1	7	3	460.5	SW 3/4 W	SE	4		0	30.16	80	78	74	77	b. c.	cir cum	7	M
2	7	5	468.0	"	SE by S.	4		0	30.13	80	78	74	77	"	"	7	"
3	7	0	475.0	"	SE by S to SE	4		1/4	30.13	80	78	73	77	"	"	6	"
4	7	0	481.	"	"	4		1/4	30.13	80	78	73	77	"	"	6	"
5	7	3	486.5	"	SE	4			30.11	79	77	74	77	"	"	8	"
6	7	6	491.8	"	"	4			30.11	79	76	73	77	"	cum. nimb	4	"
7	8	4	498.0	"	SE by S	4			30.14	80	76	74	77	"	"	2	"
8	8	6	506.0	"	"	4			30.16	80	77	74	77	"	"	6	"
9	8	0	514.3	"	"	4			30.18	79	77	74	77	"	"	6	"
10	8	0	522.4	"	"	4			30.19	79	77	74	77	"	"	7	"
11	8	5	530.7	"	"	5			30.19	79	77	74	77	"	"	6	"
Mid.	8	6	539.0	"	"	5			30.18	78	77	74	77	"	"	6	"

6-23
31-38

under the command of Commander A. S. Snow, U. S. Navy,

Sunday September 28th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 am.

Generally fair and pleasant. Moderate breze from SE by S. Course SW. Sea moderate. Plain sail to top gallant sails.

W Ray Mason Jr.
Ensign U. S. N.

4 to 8 a.m.

Cloudy. Moderate to stiff breze from SE by S. Light passing showers first hour. Steering a course SW.

Jas. L. Holman
Lieut. U. S. N.

8 a.m. to Merid.

Fine pleasant weather, partly cloudy. Stiff to moderate breze from SE by S. to SE by E. At 9.30 unspecified at quarters. At 10.30 set royals: flying jib and main & mizzen top mast stay sails. At 2. changed course to SW 3/4 W (p.c)

F. H. Wilcox
Lieut U. S. N.

Merid to 4 pm.

Bright and pleasant. Moderate to fresh breze varying in direction from SE to ESE. Barometer falling. Turned reef out of mainsail.

J. W. Newton
Lieut. U. S. N.

4 to 6 pm

Generally fair weather, moderate breze from ESE. Course SW 3/4 W. Hauled down flying jib. Ship under top gallants sails.

W Ray Mason Jr.
Ensign U. S. N.

6 to 8 pm

Clear and pleasant. Moderate breze from SE by S. Steering a course SW 3/4 W. At 6.42 hauled in the patent log for examination and found the propeller fouled by a rope yarn. Cleared it and put it overboard again at 6.46 registering 96.1

Jas. L. Holman
Lieut U. S. N.

8 pm to Mid.

Pleasant weather, moderate to stiff breze from SE by S. Moderate sea.

F. H. Wilcox
Lieut U. S. N.

Examined and found to be correct.

H. K. Lewis
Lieut - Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At sea, making passage from Porto Grande to Bahia, Brazil.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	8	2	1547.2	SW¾W	SSE.	5		0	30.18	78	77	74	77	b.c.	cir cum	6	M
2	8	0	1555.2	"	"	4		0	30.15	78	77	73	77	"	"	6	"
3	7	8	1562.0	"	"	4		0	30.14	78	77	73	77	"	"	6	"
4	7	2	1570.2	"	"	4		0	30.13	78	77	73	77	"	"	7	"
5	7	4	1577.5	"	SE by S	4		—	30.14	78	76	73	77	b.c.f	cir nimb	4	"
6	8	0	1585.5	"	SE.	4		—	30.16	78	76	73	77	"	"	4	"
7	7	6	1593.1	"	"	4		—	30.17	78	76	73	77	b.c.	"	6	"
8	7	8	1600.1	"	SE by S	4			30.19	78	77	73	77	"	"	6	"
9	7	8	1608.2	"	SSE	4			30.22	77	77	74	77	"	"	7	"
10	7	6	1613.9	"	"	4			30.23	77	77	73	78	"	"	8	"
11	7	0	1621.0	"	"	4			30.24	78	78	74	78	"	cum	7	"
Noon.	6	7	1628.5	"	"	3			30.23	79	78	74	78	"	"	7	"

Course and distance made good since preceding noon by observations, S 43° W 193 knots. tenths.

Position at Noon:
- Latitude by D. R. — S 8 ° 27' 28"
- Longitude by D. R. — W 33 ° 06' 09"
- Latitude by observations of ⊙ — S 8 ° 23' 41"
- Longitude by chronometer from Forenoon Observations of ⊙ — W 33 ° 26' 08"

Position at 8 a. m.:
- Latitude by Sun alt - ⊙ — S 8 ° 00' 36"
- Longitude by Chro. — W 33 ° 06' 38"

Position at 8 P. M.:
- Latitude by Sun alt - ⊙ — S 8 ° 19' 19"
- Longitude by Chro. P.m. obs. — W 34° 04' 09"

Current during the time, 0 knots 8 tenths per hour, setting to the W 11° N

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head — ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " — ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8-06 Am; SW¾W — W 25° 11' 00"

Variation of the Compass by Azimuth ⊙ observed at " — ° ' "

Water expended during the preceding 24 hours, 328 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1712 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 111 " 2055 "

P. M.																
1	6	5	1634.8	SW¾W.	SSE	3		30.22	79	78	73	78	b.c.	cum	6	S
2	6	5	1641.2	"	"	3		30.17	79	78	73	78	"	"	6	"
3	6	0	1647.2	"	"	3		30.15	79	78	74	78	"	"	6	"
4	6	0	1652.8	"	"	3		30.14	79	77	74	78	"	"	6	"
5	6	4	1659.2	SW by W ¾W	S by E.	3	¼	30.15	78	77	74	78	"	"	6	"
6	6	3	1665.5	"	"	3	¼	30.16	78	77	74	78	"	"	9	"
7	6	6	1672.0	SW by W	SSE.	3	¼	30.16	78	77	73	78	"	cir.cum	8	"
8	6	4	1678.3	SW¾W.	SE by E.	3	¼	30.19	79	77	74	78	"	"	6	"
9	6	5	1685.0	SW¼W.	"	3		30.22	80	77	74	76	"	"	6	"
10	6	8	1691.5	"	"	3		30.24	80	77	74	76	"	"	3	"
11	6	7	1698.0	"	"	3		30.24	80	77	74	76	"	"	3	"
Mid.	6	6	1704.9	"	"	3		30.23	79	77	74	76	"	"	3	"

(8-42
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under the command of Commander A. S. Snow, U. S. Navy,
Monday September 29th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 a.m.

Clear & pleasant. Bright moonlight. Fresh to moderate breze from S.S.E. Moderate sea. Under sail, jib, f. top. staysail, spanker and square sail to t'gs gallant sails: Rolling deeply at times.

J. Wheaton
Lieut. U. S. N.

4 to 8 a.m.

Clear and pleasant. Moderate breeze from S.E by S & S.E. Set royals and flying jib at 7.15. Moderate sea. Course S.W. 3/4 W. Ship rolling deeply at times: Under plain sail to royals.

W Ry Mason Jr.
Ensign U. S. N.

8 a.m. to Meridd

The Comdg. Officer ordered the following punishments:

W. Rodrigues (Ord.) Hammock in lucky bag & One extra watch.

E. Carter (A. Bugler) Going below while on watch without permission. Three extra watches

E. McNierney (Painter) Gross carelessness - Three first Watches at sea.

Clear and pleasant. Barometer steady. Gentle breze from S by E. from S.S.E. Steering battalion drill. The patent

Jas. H. Holman
Lieut. U. S. N.

Close hauled port tack. Course S.W. 3/4 W. Smooth sea. Steering ars:

F. Harrison
Lieut U. S. N.

6 to 8 p.m.

Clear fine weather. Gentle breze from S.S.E and S.E. by S. Course S.W. 3/4 W until 8 p.m. when it was changed by order of Comdg. Officer to S.W. 1/4 W. at 8. Furled royals & flying jib.

J. Wheaton
Lieut U. S. N.

W Ry Mason Jr.
Ensign U. S. N.

8 p.m to Mid.

Cloudy and pleasant. Moon shining through the clouds: Gentle breze from S.E by S. Steering a course S.W. 1/4 W.

Jas. H. Holman
Lieut U. S. N.

Examined and found to be correct.

H. K. Benson
Lieut., Navigator.

under the command of Commander A. S. Snow, U. S. Navy,
Monday September 29th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 a.m.

Clear & pleasant. Bright moonlight. Fresh to moderate breze from SSE. Moderate sea. Under sail, jib, f. top. staysail, spanker and square sail to t'gs gallant sails. Rolling deeply at times.

J. W Newton
Lieut. U. S. N

4 to 8 a.m.

Clear and pleasant. Moderate breze from SE by S & SSE. Set royals and flying jib at 7.15. Moderate sea. Course SW. 3/4 W. Ship rolling deeply at times. Under plain sail to royals.

W Ry Mason Field.
Ensign U. S. N.

8 a.m. to Merid.

Clear and pleasant. Moderate to gentle breze from SSE. Steering a course SW 3/4 W. At 9.30 mustered at quarters and had battalion drill. The patent log line fouled at the rail between nine and ten.

Jas. G. W. Holman
Lieut. U. S. N.

Merid to 4 p.m.

Clear and pleasant. Gentle breze from SSE. Smooth sea. Steering course SW 3/4 W till 3.45 then full and by. Scraped spars.

F. Harrison
Lieut U. S. N.

4 to 6 p.m.

Clear and pleasant. Barometer steady. Gentle breze from S by E. Close hauled port tack. Course SW 3/4 W.

J. W Newton
Lieut U. S. N.

6 to 8 p.m.

Clear fine weather. Gentle breze from SSE and SE. by S. Course SW 3/4 W until 8 p.m. when it was changed by order of Comdg. Officer to SW 1/4 W. at 8. Furled royals & flying jib.

W Ry Mason Field
Ensign U. S. N.

8 p.m to Mid.

Cloudy and pleasant. Moon shining through the clouds. Gentle breze from SE by S. Steering a course SW 1/4 W.

Jas G W Holman
Lieut U. S. N.

Examined and found to be correct.

H. K. Lewis
Lieut, Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At sea, making passage from Porto Grande to Bahia, Brazil

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	7	0	1710.8	SW ¼ W	SE by S	4		¼	30.22	79	77	74	77	bc	cum	3	S.
2	7	0	1717.4	"	"	4		¼	30.18	79	77	74	77	"	"	1	"
3	6	5	1723.5	"	"	3		¼	30.19	78	77	74	77	"	"	1	"
4	6	6	1730.2	"	"	3		¼	30.18	78	77	74	77	"	"	1	"
5	6	6	1736.8	"	"	3		¼	30.10	78	76	74	77	"	"	1	"
6	6	5	1743.3	"	"	3		0	30.18	79	76	74	77	"	"	1	"
7	7	0	1750.3	"	SE	4		0	30.21	78	77	74	77	"	"	1	"
8	7	5	1757.9	"	"	4		0	30.22	78	77	74	77	"	cir. cum	4	"
9	7	5	1765.2	"	"	4		0	30.24	78	77	74	77	"	"	4	"
10	7	5	1772.3	"	"	4		0	30.26	78	78	75	77	"	"	5	"
11	8	0	1780.0	S SW by W ¼ W	"	4		0	30.26	79	78	75	77	"	"	5	"
Noon.	7	7	1787.7	"	"	3		0	30.24	79	79	76	77	"	"	6	"

Course and distance made good since preceding noon by observations, S 42° W 155 knots. tenths.

Position at Noon:
- Latitude by D. R. — S 10 ° 32 ' 05 "
- Longitude by D. R. — W 35 ° 01 ' 32 "
- Latitude by observations of ⊙ — S 10 ° 17 ' 42 "
- Longitude by chronometer from Forenoon Observations of ⊙ — W 35 ° 10 ' 24 "

Position at 8 a. m.
- Latitude by mer alt ⊙ — S 9 ° 53 ' 55 "
- Longitude by chro — W 34 ° 52 ' 12 "

Position at 8 P. M.
- Latitude by mer alt ☉ — S 10 ° 50 ' 25 "
- Longitude by Chro from Obs. — W 35 ° 49 ' 06 "

Current during the time, 0 knots 7 tenths per hour, setting to the N 32° W

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head — ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " — ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8-08 Am " SW ¼ W — W 14 ° 13 ' "

Variation of the Compass by Azimuth ⊙ observed at " — ° ' "

Water expended during the preceding 24 hours, 332 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1380 "

Coal consumed during the preceding 24 hours, tons ~~400~~ lbs.

Coal remaining on hand at Noon, 111 " 1656 "

P. M.																	
1	6	6	1794.2	S W by W ¼ W	SE.	3			30.23	79	79	76	77	bc.	cum. str.	6	S
2	6	6	1800.9	"	"	3			30.20	79	79	75	77	"	"	6	"
3	6	5	1806.9	"	"	3			30.18	79	79	75	77	"	"	6	"
4	5	2	1812.2	"	"	3			30.16	79	79	76	77	"	"	7	"
5	5	2	1817.5	"	"	3			30.15	78	78	75	77	"	"	6	"
6	5	6	1822.7	"	"	3			30.18	78	78	75	77	"	"	5	"
7	5	8	1828.5	"	E & E.	3			30.19	80	78	75	77	"	"	6	"
8	6	0	1834.5	"	SE by E.	3			30.21	81	78	75	77	"	"	6	"
9	5	3 7	1836.8 1840.5	S W.	"	3			30.23	81	78	75	77	"	"	5	"
10	6	5	1847.0	"	SE.	3			30.25	81	77	75	77	"	cir. cum	5	"
11	6	8	1853.8	"	SE by S.	3			30.25	81	77	75	77	"	"	5	"
Mid.	6	5	1860.3	"	"	3			30.25	80	76	75	77	"	"	5	"

10-35-
35-33

under the command of Commander A. S. Snow, U. S. Navy,

Tuesday September 30th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 a.m.

Cloudy pleasant. Moderate to gentle breze from SE by S. Smooth sea, Ship under plain sail to topgallant sails, course SW ¼ W. (pc)

~~Jos. W. Wilmer~~
Lieut U. S. N.

4 to 8 a.m.

Cloudy pleasant, clearing last hour. Barometer rising. Gentle to moderate breze from SE by S and SE.

J. J. Newton
Lieut U. S. N.

8 a m to Merid.

Clear fine weather, moderate to gentle breze from SE. Mustered at quarters and cabled all boats away armed and equipped for distant service At 10.00 changed course to SW by W ¼ W. Made all sail. Took in royals and flying jib

W Ray Mason Field.
Ensign U. S. N.

Merid to 4 pm.

Clear and pleasant. Gentle breze from SE. Steering a course SW by W ¼ W

Hugh McW Holman
Lieut U. S. N.

4 to 6 pm

Partly cloudy, pleasant weather. Gentle breze from SE.

~~Jos. W. Wilmer~~
Lieut. U. S. N.

6 to 8 pm.

Clear, pleasant, gentle breze from ESE and SE by E. Barometer rising.

J. J. Newton
Lieut U. S. N.

8 pm to Midnight.

Clear fine weather, gentle breze from SE by E to SE by S. At 8.20 changed course to SW pat. log reading 1836.8. The moon rose at 8.10 Took in royals and flying jib and staysails.

W Ray Mason Field.
Ensign U. S. N.

Examined and found to be correct.

H. K. Hewitt
Lieut, Navigator.

LOG of the UNITED STATES Steamer "Essex" ,3d Rate,

At sea, making passage from Porto Grande to Bahia, Brazil

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	7	2	1866.7	SW.	SE by S.	3			30.24	79	76	74	76	be	cir. cum	5	S
2	7	6	1873.9	"	"	4			30.23	79	76	74	76	"	"	2	"
3	7	5	1881.0	"	"	3			30.21	79	76	74	76	"	cum	1	"
4	7	6	1888.5	"	"	3			30.21	78	76	74	76	"	"	4	"
5	7	0	1895.5	"	"	3			30.20	78	76	74	76	"	"	6	"
6	7	2	1902.5	"	"	4			30.21	78	76	74	76	"	"	8	"
7	7	0	1909.7	"	"	3			30.25	77	76	74	77	"	cir. cum	8	"
8	7	0	1916.9	"	"	3			30.26	78	76	74	77	"	"	8	"
9	6	6	1923.5	"	SE.	3			30.28	78	77	74	78	"	"	5	"
10	6	4	1930.0	"	"	3			30.29	78	77	75	78	"	"	5	"
11	6	7	1936.5	"	SE by E	3			30.29	78	77	74	78	"	"	5	"
Noon.	8	5	1945.0	"	"	3			30.27	78	77	74	78	"	"	6	"

Course and distance made good since preceding noon by observations, S 41° W 154 knots. tenths.

Position at Noon:
- Latitude by D. R. — S 12 ° 25' 01"
- Longitude by D. R. — W 36 ° 41' 24"
- Latitude by observations of ⊙ — S 12 ° 14' 03"
- Longitude by chronometer from Forenoon Observations of ⊙ — W 36 ° 53' 21"

Position at 8 a. m.
- Latitude by — S 11 ° 50' 03"
- Longitude by — W 36 ° 38' 33"

Position at 8 P. M.
- Latitude by — S 12 ° 52' 15"
- Longitude by — W 37 ° 19' 12"

Current during the time, 0 knots 6 tenths per hour, setting to the N 47° W

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 a.m. SW W 12 ° 26' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 340 gallons.

Water Distilled during the preceding 24 hours, 178 "

Water remaining on hand fit for use at Noon, 2218 "

Coal consumed during the preceding 24 hours, tons ~~400~~ lbs.

Coal remaining on hand at Noon, 111 " 1255 "

P. M.	Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
	1	6	2	1951.2	SW.	SE by E	3			30.26	78	76	74	78	b.c.	cir. cum	8	S
	2	6	4	1907.6	"	"	3			30.24	78	76	74	78	"	"	8	"
	3	5	5	1963.0	"	"	3			30.22	78	76	74	78	"	"	8	"
12.34 37.08	4	5	5	1968.5	"	"	3			30.21	78	77	74	78	"	"	8	"
	5	5	6	1973.9	"	SE	3			30.21	78	77	74	78	"	"	7	"
	6	5	4	1979.0	"	"	3			30.22	78	77	74	78	"	"	7	"
	7	5	4	1984.2	"	"	3			30.23	79	77	74	78	"	"	8	"
	8	5	6	1990.0	"	"	3			30.24	79	77	74	78	"	"	9	"
	9	4	3	1991.3 1995.6	W 3/4 S.	E & E.	3			30.24	80	77	74	78	"	"	9	"
	10	4	6	2000.2	"	"	3			30.25	79	76	73	78	"	"	9	"
	11	4	0	2004.2	"	"	3			30.26	79	76	74	78	"	"	8	"
	Mid.	8	3	2012.5	"	"	3			30.26	79	76	73	78	"	"	5	"

under the command of Commander A. S. Snow, U. S. Navy,
Wednesday October 1st, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 a.m.
Cloudy but pleasant. Moon shining through the clouds: Gentle to moderate breeze from S.E. by S. Steering a course S.W.

Jas. L. Johnson
Lieut U.S.N.

4 to 8 a.m.
Generally clear and pleasant. Gentle breeze from S.E. by S. Unbent mainsail and set main trysail. Hoisted smoke stack & started fires under one boiler for distilling at 6.

[illegible]
Lieut U.S.N.

8 a.m. to Mid.
The Comdg. Officer ordered the following punishments:
W. Hoyne (Clk) & Jas. Dwyer (Clk) Leaving deck while on watch and going down to berthdeck to sleep. - One week anchor watch from 8-12
K. Rogers (Appr) Not on hand when wanted for work. - One week anchor watch
W. Liggan (Fn) & Jos. Dwyer (Clk) Not holding reel, - To hold reel for one month.
Jas. Dwyer (Clk) Without watchmark - 2 hours extra duty.
R. J. Miller (Lds) Danl Parker (Lds) & Thos. Hafusto (Lds) Out of uniform after 8 a.m. - 3 night watches from 8-12.

Clear and pleasant. Gentle breeze from S.E. Steering a course S.W. Sighted a hermaphrodite brig two points forward of the lee beam on the port tack. Distilling.

Jas. L. Johnson
Lieut U.S.N.

6 to 8 p.m.
Clear and pleasant. Gentle breeze from S.E. A light in sight two points forward of Starboard beam. Started fires in two boilers at 8.00

[illegible]
Lieut U.S.N.

8 p.m. to Mid.
Clear, pleasant. Barometer steady. Gentle breeze from E.S.E. Started fires at 8. under two boilers. Commenced steaming at 11. Moon rose at 9.16. Changed course to W 3/4 S. Pat log reading 1991.3 at 8.10. Aver. Steam 67 lbs. Aver rev. 41.2

J. T. Newton
Lieut U.S.N.

Examined and found to be correct.

[illegible]
Lieut, Navigator.

under the command of Commander A. S. Snow, U. S. Navy,
Wednesday October 1st, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 a.m.
Cloudy but pleasant. Moon shining through the clouds: Gentle to moderate breeze from SE by S. Steering a course SW.
Jas. L. Johnson
Lieut U. S. N.

4 to 8 a.m.
Generally clear and pleasant. Gentle breeze from SE. by S. Unbent mainsail and set main trysail. Hoisted smoke stack & started fires under one boiler for distilling at 6.
[illegible]
Lieut U. S. N.

8 am to Meid.
Bright and pleasant. Gentle breeze from SE and SE by E. Barometer rising. At 9.30 mustered at quarters. Drilled as follows: 1st Div. Quat Guns: 2nd Div. Machine Guns; 3d Div. Small Arms; Powder Div. Revolvers: Set the clock back 14 min. between 11 & 12. Preparing ship for port.
J. T. Newton
Lieut U. S. N.

Meid to 4 pm.
Clear fine weather, gentle breeze for SE by E. Course SW. The Ships Company signed accounts. Got up and bent both bower chains. Piled coppers on sailing launch. Distilling.
W Ray Mason Jr.
Ensign U. S. N.

4 to 6 pm.
Clear and pleasant. Gentle breeze from SE. Steering a course SW. Sighted a hermaphrodite brig two points forward of the lee beam on the port tack. Distilling.
Jas. L. Johnson
Lieut U. S. N.

6 to 8 pm.
Clear and pleasant. Gentle breeze from SE. A light in sight two points forward of Starboard beam. Started fires in two boilers at 8.00
[illegible]
Lieut U. S. N.

8 pm to Mid.
Clear pleasant. Barometer steady. Gentle breeze from ESE. Started fires at 8. under two boilers. Commenced steaming at 11. Moon rose at 9.16. Changed course to W 3/4 S. Pat log reading 1991.3 at 8.10. Aver. steam 67 lbs. Aver revs. 41.2
J. T. Newton
Lieut U. S. N.

Examined and found to be correct.

[illegible]
Lieut, Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At sea making passage from Porto Grande to Bahia, Brazil.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	8	8	2021.2	W 3/4 S	E S E	3			30.26	78	77	73	78	h. c.	cir. cum	6	8
2	8	8	2029.8	"	"	3			30.23	78	76	74	78	"	"	5	"
3	8	8	2038.6	"	S S E.	3			30.20	78	76	74	78	"	"	5	"
4	8	6	2049.0	"	"	3			30.21	78	76	74	78	"	"	8	"
5	7	7	2057.0	W by N.	"	3			30.21	79	76	74	78	"	cir & cum	8	"
6	8	0	2063.0	N W by W 3/4 W	"	3			30.22	78	77	74	78	"	"	8	"
7	7	0	2070.0	W by S	East	3			30.20	77	77	74	78	"	"	2	"
8	6	8	2076.8	W S W by S	"	3			30.26	77	77	74	78	"	"	6	
9	8.40		2080.6	"	"	3			30.28	78	77	75		"	"	6	
10				"	"	3			30.28	79	78	75		"	"	6	
11				"	"	3			30.28	79	78	75		"	"	6	
Noon.				E N E.	"	3			30.27	79	79	75		"	"	4	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 347 gallons.

Water Distilled during the preceding 24 hours, 1629 "

Water remaining on hand fit for use at Noon, 2000 "

Coal consumed during the preceding 24 hours, 5 tons 810 lbs.

Coal remaining on hand at Noon, 104 " 575 "

P. M.												
1	S S E	E S E.	3	30.25	80	80	75	h. c.	cir. cum	1
2	S by W	"	3	30.23	79	79	75	"	"	1
3	"	"	3	30.21	80	80	75	"	"	1
4	"	"	3	30.20	79	80	75	"	"	1
5	"	"	3	30.21	78	78	75	"	"	2
6	E S E	"	2	30.20	79	78	75	"	"	5
7	N E	"	1	30.20	79	78	74	"	"	9
8	"	"	1	30.20	81	79	75	"	"	9
9	"	"	2	30.22	80	80	77	"	"	8
10	"	"	2	30.23	81	80	77	"	"	8
11	"	"	2	30.23	81	78	76	"	"	6
Mid.	"	"	2	30.22	80	78	76	"	"	3

under the command of Commander A. S. Snow, U. S. Navy,

Thursday October 2nd, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 a.m.

Clear fine weather, gentle breeze from ESE. Course W 3/4 S. Took in main trysail & spanker. Ships under steam and sail to topgallant sails. Aver. steam 69½ lbs. Aver. revs. 43.1

W. Rg Mason Fild.
Ensign U. S. N.

4 to 8 a.m.

Clouding over. Pleasant. Gentle to light breeze from SSE. At 4.25 sighted San Antonio Lt. from aloft broad on starboard bow. At 5.15 changed course to W by N. Pat Log reading 2057.1 At 6 changed course to N 75 by 25 3/4 W. pat. log reading 2064 At 6.05 changed course to N by E. patent log reading 2068.7 At 6.40 took in and furled all sail. Made preparations for port. At 7. the Navigator took charge of the conning of the ships. At end of watch standing in for anchorage off the town of Bahia.

Jno L Wolcott
Lieut U. S. N.

8 a.m. to Meridy

Cloudy but pleasant. Gentle breeze from East. First part standing in for Bahia. At 10.20 called all hands and anchored off quarantine Station in 10 fathoms water 30 fathoms port chain. Rec'd pratique and at 10.40 got underway & at 11.10 anchored off the Custom House in 6½ fathoms water 25 fms. port chain. Hauled fires. Ships draft fwd 13'2" amidships 14' and aft 16'2". Sent an officer to communicate with U. S. Consul. Received an official visit from H. B. M. S. Flamingo, also from the Brazilian Gunboat Proconnot. Bearings at anchorage Gamboa Buoy S 1/2 E (bc) & Fort Mazello WE by E 3/4 E (bc) the dock NE. W. Witton (BM) was confined in cell on bread and water for 3 days by order of Comdg. Officer for disobedience of orders of officer of deck and profanity.

~~F. Wilmer~~
Lieut. U. S. N.

Merd. to 4 p.m.

Cloudy, pleasant. Gentle breeze from ESE. Ship lying between wind and current. Barometer falling. Blacking ships side.

J. H. Newton
Lieut U. S. N.

4 to 8 p.m.

Clear fine weather, light breeze from ESE. Stopped distilling and hauled fires. Sent down topgallant and royal yards.

W Rg Mason Fild.
Ensign U. S. N.

8 p.m to Mid.

Partly cloudy. Pleasant weather. Light breeze from ESE.

~~F. Wilmer~~
Lieut U. S. N.

Examined and found to be correct.

Le R. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At anchor off Bahia, Brazil

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Sonriging	ESE.	2			30.21	80	78	76		b.c.	cum	5	p
2				S by W	"	2			30.19	80	78	76		"	"	7	"
3				SSW	"	2			30.19	79	78	76		"	"	8	"
4				"	"	2			30.19	79	77	75		"	"	8	"
5				"	SE	1			30.20	78	77	75		"	"	7	"
6				SW by W	"	1			30.20	78	77	75		"	"	7	"
7				NW	East	1			30.21	76	76	76		"	"	8	"
8				"	"	1			30.24	77	77	75		"	"	8	"
9				NE	North	2			30.25	78	78	76		"	"	8	"
10				NNE	"	2			30.25	79	76	76		"	"	2	"
11				"	West	2			30.26	78	79	76		"	"	2	"
Noon.				"	"	1			30.23	78	78	76		"	"	2	"

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 475 gallons.

Water Distilled during the preceding 24 hours, 730 "

Water remaining on hand fit for use at Noon, 27555 "

Coal consumed during the preceding 24 hours, tons 1985 lbs.

Coal remaining on hand at Noon, 103 " 200 "

P. M.													
1	SE by E	West	3	30.21	80	80	76	b.c.	Cum	6
2	South	SE	3	30.19	80	80	76	"	cum. Str	6
3	"	ESE.	3	30.18	80	80	76	"	"	7
4	"	"	3	30.17	79	79	76	"	"	7
5	ENE.	"	3	30.17	79	78	76	"	"	7
6	"	"	3	30.18	78	78	77	"	"	7
7	"	"	3	30.19	79	80	76	"	"	6
8	"	East	2	30.19	79	80	77	"	"	8
9	"	ENE.	2	30.18	79	78	76	"	"	8
10	NE	"	3	30.18	79	77	75	"	"	8
11	"	"	2	30.18	79	77	75	"	"	8
Mid.	"	"	1	30.17	80	77	75	"	"	8

under the command of Commander A. S. Snow, U. S. Navy,

Friday October 3rd, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 a.m.

Clear, pleasant. Light breeze from E & E. Barometer rising slowly.

J. T. Newton
Lieut U. S. N.

4 to 8 a.m.

Clear fine weather, light airs from S E and E. Ran Guns over to Starboard & painted port cap & spar. Crossed light yards at 8 a.m.

W. Reg. Mason Jr.
Ensign U. S. N.

8 a.m. to Merid.

Clear and pleasant. Light breeze to light airs hauling from East to West. Ebb at 9.30 mus-tered at quarters. The Consul paid an official visit aboard.

Jno. H. Holman
Lieut. U. S. N.

Merid to 4 p.m.

Clear & pleasant. Gentle breeze from West first hour shifting to E & E. Inspected wet Gun Cotton as per quarterly routine. Comdg. Officer paid an official visit to the Brazilian Gunboat "Broconnot" and H. B. M. S. "Flamingo". H. B. M Gunboat "Bramble" came in from the S'd.

E. H. Wilmer
Lieut U. S. N.

4 to 8 p.m.

Clear and pleasant. Barometer rising slowly. Gentle breeze from E & E. Ship riding between wind and current. Sent down royal yards at sunset. Sent an officer to board the "Bramble"

J. T. Newton.
Lieut U. S. N.

8 p.m. to Mid.

Clear and pleasant. Gentle breeze to light airs from E N E. Ebb. Morn rose at 10.55

Jno. H. Holman
Lieut U. S. N.

Examined and found to be correct.

H. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Bahia, Brazil

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				NE by N.	NE by N	2			30.17	80	77	75		b.c.	cir.cum	6	
2				South	East.	2			30.16	79	77	75		"	"	6	
3				SW by S	"	1			30.16	79	77	75		"	"	6	
4				"	"	1			30.16	78	77	75		"	"	8	
5				"	"	1			30.16	78	77	75		"	"	7	
6				"	"	1			30.22	78	77	75		"	"	8	
7				"	"	1			30.24	77	77	76		"	"	8	
8				"	"	1			30.26	78	78	75		"	"	9	
9				"	NNE	1			30.26	78	78	76		"	"	8	
10				"	ESE	1			30.26	78	78	76		"	"	8	
11				"	NNE	1			30.26	78	78	76		"	"	9	
Noon.				"	West	1			30.25	78	78	76		"	"	9	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the :

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 328 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2427 "

Coal consumed during the preceding 24 hours, – tons 400 lbs.

Coal remaining on hand at Noon, 102 " 2040 "

P. M.												
1		NE	ENE	3	30.24	78	79	76	b.c.	cir.cum	4	
2		East	East	3	30.22	80	79	76	"	"	2	
3		SE by E	ESE	3	30.20	79	79	76	"	"	4	
4		SE	East	3	30.20	79	79	76	"	"	4	
5		"	"	3	30.21	79	79	76	"	"	6	
6		"	"	3	30.21	78	78	75	"	"	3	
7		ESE	"	3	30.22	79	78	76	"	"	3	
8		"	"	3	30.22	79	79	76	b	None	10	
9		NE by N	"	2	30.20	80	78	76	"	"	10	
10		ENE	"	3	30.21	79	78	76	b.c.	cir.Str	9	
11		"	"	3	30.24	79	78	76	"	"	9	
Mid.		NE	"	2	30.23	79	78	76	"	"	5	

under the command of Commander A. S. Snow, U. S. Navy,

Saturday October 4th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mids to 4 am
Pleasant weather, moonlight. Very light breze to light airs from NE by N. to East.

F. A. Wilmer.
Lieut U. S. N.

4 to 8 am
Bright and warm after sunrise. Barometer rising. Light airs from East.

J. N. Newton
Lieut U. S. N.

8 am to Merid
Clear & fine. Variable light airs. Mustered at quarters. Painted copper on Starboard side. The Comdg. Officers of H. B. M. S. "Bramble" and "Flamingo" called officially. An officer of H. B. M. S. Bramble returned call of civility

W Rx Mason Field.
Ensign U. S. N.

Merid to 4 pm.
Clear and pleasant. Gentle breze from ENE to ESE. Sounding to flood between 1 and 2, riding between wind and tide. The Comdg. Officer paid an official visit to H. B. M. S. "Bramble" Sent a liberty party ashore

Geo. F. Worsham
Lieut U. S. N.

4 to 8 pm
Clear and pleasant. Gentle breze from East. Thirteen men from liberty party returned on board. Released W. Witton (BM) from confinement and restored him to duty by order of Comdg. Officer.

F. A. Wilmer
Lieut U. S. N.

8 pm to Mids
Clear fine weather, light to gentle breze from East.

W Rx Mason Field.
Ensign U. S. N.

Examined and found to be correct.

Geo. F. Worsham
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Bahia, Brazil

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N E	ENE	2			30.22	80	78	75°		hc	cir cum	4	
2				ENE	"	2			30.22	80	77	75°		"	"	4	
3				E by S	East	2			30.20	80	77	75°		"	"	6	
4				SSW.	NE	1			30.21	79	76	74		"	"	6	
5				SW by S.	ENE	1			30.21	79	76	74		"	"	9	
6				SSW.	East	1			30.21	78	76	74		"	"	8	
7				"	"	1			30.22	77	76	74		"	"	8	
8				"	"	2			30.24	77	76	74		"	"	8	
9				S by E	ENE	2			30.24	78	77	74		"	"	3	
10				North	NNW	2			30.25	78	78	76		"	"	4	
11				NE by E	ESE	3			30.22	79	78	75°		"	"	4	
Noon.				"	"	3			30.24	79	79	75°		"	"	6	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 348 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2095 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 102 " 1640 "

P. M.													
1		ENE	ESE	3	30.22	79	78	75°	hc	cir cum	5		
2		ESE	"	3	30.20	78	78	75°	"	"	6		
3		SE.	"	4	30.17	79	78	75°	"	"	6		
4		"	"	4	30.16	79	78	75°	"	"	6		
5		"	East	4	30.15	78	78	74	"	"	6		
6		"	"	4	30.15	78	77	74	"	"	5		
7		SSE.	ESE	3	30.15	79	78	75°	"	"	8		
8		"	"	2	30.16	78	77	75°	"	"	9		
9		S by W	"	3	30.17	79	77	75°	"	"	10		
10		E by S	"	2	30.18	79	78	75°	"	"	9		
11		E by N.	"	4	30.19	80	78	75°	"	"	8		
Mid.		NE by N.	"	2	30.19	79	78	75°	"	"	10		

under the command of Commander A. S. Snow, U. S. Navy,

Sunday October 5th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 a.m.

Clear and pleasant. Light airs from ENE and East. Began to swing to flood at 1. finished at 3.45. Bright moonlight.

Jno. F. Holtzman
Lieut U. S. N.

4 to 8 a.m.

Clear and pleasant. Light airs from NE to East. Pumped ships out 14". Rec'd 120 lbs fresh beef, 120 lbs vegetables & 96 lbs of bread in Pay Dept.

[illegible]
Lieut U. S. N.

8 AM to Merid

Cloudy, pleasant, variable light breeze first part, steady and gentle latter part. Barometer steady. At 9.30 the Comdg Officer inspected the crew at quarters, immediately after held General Muster the following were found to be absent over time. A. Amundson (Sea) F.K. Scrogie (Ldr) J.M. Falvey (Crpr) C.K. Feneyck (2d F) Leo. Bradford (Clk) Thos. Erskine (Appr), C. Olsen (Capt Tops) F.C. Weber (OS) Wm Fellowes (Boy) M. Conway (Cox) E. Horvath (Sergt) C.C. Nutter (Pvt), B. Jacks (Pvt) W. Carmody (Pvt) A pentard of $10 was offered for their delivery on board by order of Comdg. Officer.

J. T. Newton.
Lieut U. S. N.

Merid to 4 pm.

Clear fine weather, gentle to moderate breeze from ESE.

W Ry Mason Jr.
Ensign U. S. N.

4 to 8 pm.

Clear and pleasant. Moderate to light breeze from E to ESE. The following men returned from liberty 24 hours over time:- A. Amundson (Sea) F. Scrogie (Ldr), F. Wilson (Sea), Thos. Erskine (Appr). C. Olsen (Capt. Tops) F.C. Weber (OS), W. Fellowes (Boy) & M. Conway (Cox) Finished swinging to flood at 8.

Jno. F. Holtzman
Lieut U. S. N.

8 pm to Mid.

Clear & pleasant. Light to gentle breeze from ESE. Barometer steady.

J. T. Newton
Lieut U. S. N.

Examined and found to be correct.

[illegible]
Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Bahia, Brazil

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				NE by N	E & E.	2			30.17	79	78	75°		b. c. s.	cum. nimb	6	
2				"	"	1			30.17	79	78	75°		b. c.	cum	6	
3				ENE.	"	1			30.18	79	77	74		"	"	9	
4				"	"	1			30.17	79	78	75°		"	"	8	
5				East	East	1			30.18	79	78	74		"	"	8	
6				SE.	"	1			30.18	77	77	74		"	"	8	
7				SE by S	"	1			30.18	77	77	74		"	"	8	
8				S by E	"	2			30.19	78	77	74		"	"	9	
9				South	"	2			30.20	78	78	74		"	"	6	
10				SSW	E & E	2			30.21	78	78	76°		"	"	5	
11				SE by E	"	2			30.21	79	78	74		"	"	3	
Noon.				ENE	"	2			30.21	79	79	75°		"	"	4	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 328 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1747 "

Coal consumed during the preceding 24 hours, tons 950 lbs.

Coal remaining on hand at Noon, 102 " 690 "

P. M.														
1				NE	E & E.	3			30.19	78	78	75°	b.c.	cir. cum. 4
2				ENE	"	3			30.17	78	78	75°	"	" 4
3				East	"	3			30.17	78	78	76	"	" 6
4				E by S	S & E	3			30.16	78	78	75°	"	" 6
5				SE by E	SE by E	3			30.16	78	77	74	"	" 5
6				"	"	3			30.15°	78	77	74	"	" 6
7				"	"	3			30.17	80	78	75	"	" 6
8				South	"	3			30.18	81	79	76	"	" 8
9				SW.	"	2			30.19	81	79	76	"	" 8
10				"	S & E	2			30.20	81	79	76	"	" 8
11				SSW.	"	2			30.20	81	79	76	"	" 8
Mid.				E & E.	E & E.	1			30.21	80	78	75°	"	" 9

under the command of Commander A. S. Snow, U. S. Navy,
Monday October 6th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mids to 4 a.m. Passing showers first hour, Clearing up latter part of watch Light breze to light airs from E&E.

W Roy Mason Jr.
Ensign U.S.N.

4 to 8 a.m. Clear and pleasant. Light airs to light breze from East. Finished swinging to flood at 7. Daniel Parker (Cox.) returned aboard 3½ hours overtime. At 8 crossed Royal yards. Received on board for use of crew 101¼ lbs each of fresh beef and vegetables and 81 lbs of bread.

Geo. F. W. Holman
Lieut. U.S.N.

8 a.m. to Mids. Pleasant weather. Light breze from East to E&E. Setting up top mast rigging. H.B.M.S. Bramble & French Mail Steamer La Plata left the harbor

~~Forrest~~
Lieut U.S.N.

Mids to 4 p.m. Bright and pleasant. Gentle breze from E&E. Barometer falling slowly. The Brazilian Str. "Manaos" came in about 2 p.m. Pot. B. Jackson & M.E. Nutter (Pot.) returned 44 hours overtime

J.F.J. Newbern
Lieut. U.S.N.

4 to 8 p.m. Clear fine weather, gentle breze from SE by E. Mustered at quarters and sent down light yards & masts. Geo. Bradford (C.B.) returned on board 48 hrs overtime. Mustered at quarters.

W Roy Mason Jr.
Ensign U.S.N.

8 p.m to Mid. Clear and pleasant. Light breze to very light airs from SSE to ESE.

~~Forrest~~
Lieut U.S.N.

Examined and found to be correct.

L. K. Lewis
Lieut - Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Bahia, Brazil.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				NE by N	SSE	2			30.21	79	78	75		b. c.	cum	10	
2				NE.	"	2			30.21	79	78	75		"	"	9	
3				"	"	2			30.21	78	78	75		"	"	3	
4				NE by E	"	2			30.18	78	78	75		"	"	5	
5				East	East	1			30.15	79	78	75		"	"	1	
6.				"	"	1			30.17	79	76	73		"	"	1	
7				ESE.	"	1			30.19	78	76	73		"	"	1	
8				SE by E	"	1			30.20	79	76	74		"	"	1	
9				South	ESE	2			30.23	78	76	74		"	"	8	
10				SE.	SE	2			30.24	78	78	75		"	"	8	
11				"	"	2			30.24	79	78	75		"	"	8	
Noon.				"	"	2			30.23	80	79	75		"	"	7	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 331 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1416 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 102 " 290 "

P. M.											
1	E by N	SE	3	30.19	80	79	76	b. c.	cir. cum	2	
2	NE	ESE.	3	30.18	79	79	75	"	"	5	
3	E NE	"	3	30.16	79	79	75	"	"	5	
4	"	"	3	30.15	79	79	75	"	"	6	
5	"	"	3	30.15	79	78	75	"	"	8	
6	NE by E.	"	3	30.15	78	78	75	"	"	8	
7	E by N	"	2	30.16	80	78	76	"	"	9	
8	SE by E.	"	2	30.17	82	79	76	b.	none	10	
9	S SW	"	2	30.17	81	79	76	"	"	10	
10	S W by S	"	2	30.17	81	78	76	b c	cir. cum	9	
11	"	"	2	30.20	81	78	76	"	"	9	
Mid.	"	"	2	30.19	81	78	76	"	"	9	

under the command of Commander A. S. Snow, U. S. Navy,
Tuesday October 7th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mids to 4 AM.
Clear, pleasant, moonlight barometer steady light airs from SSE.
J. T. Newton
Lieut U. S. N.

4 to 8 A.M.
Clear fine weather, light airs from E. Scrubbed hammocks and made preparations for boat drill.
W R Z Blasenfield.
Ensign U.S.N.

8 AM to Mids.
Clear and pleasant. Light breeze from SE. Flood At 9. called Away all boats for cutting out. Time: St L. 16m 18sec, St L. 20m 50s, 1st Cutter 7m, 2nd Cutter 8m, Whale Boat 14m 25sec, Gig 12m 40sec, Exercised the boats in squadron tactics under oars. Fitted the St. Launch for torpedo practice. J. M. Falvey (Arm) returned on board 65 hrs over time. Men now absent over time are E. Horvath (Sergt) and C. K. Smeyck (2cl F).
Geo. L. W. Holman
Lieut U. S. N.

Mids to 4 pm.
Pleasant weather. Partly cloudy. Gentle breeze from SE to ESE. Read torpedo exercise & fired "exercise torpedo" from steam cutter
Fitzsimmons
Lieut U. S. N.

4 to 8 pm
Clear & pleasant, Barometer steady gentle to light breeze from ESE. Delgt E. Horvath & C. K. Smeyck (2cl F) returned on board 72 hours overtime!
J. T. Newton
Lieut. U. S. N.

8 pm to Mids,
Clear and pleasant. Light breeze from SSE. finished swinging to flood at 8.45
D. Milstone
Ensign U. S. N.

Examined and found to be correct.

C. K. Lewis
Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Bahia, Brazil

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				ESE	ESE.	2			30.19	81	78	76		b c.	cir.cum	8	
2				NE	"	2			30.19	80	77	76		b.c.p.	cum.simb	2	
3				"	"	2			30.17	80	77	76		b.c.	cum	4	
4				NE	"	2			30.17	80	77	75		bcp.	cum.simb	2	
5				NE by E	ESE.	1			30.19	79	77	75		"	"	4	
6				NE	"	1			30.19	78	76	74		b c.	"	5	
7				NE by E.	"	2			30.20	77	76	74		"	cir.cum	6	
8				ENE	"	2			30.22	78	77	74		"	"	8	
9				SE by S.	ESE	3			30.23	78	79	75		"	"	6	
10				South	ESE	3			30.24	80	80	76		"	"	6	
11				"	"	3			30.24	80	80	75		"	"	6	
Noon.				SSE	—	3			30.23	80	80	75		"	"	7	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 338 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1075 "

Coal consumed during the preceding 24 hours, ton ~~1 5 0~~ lbs.

Coal remaining on hand at Noon, 101 "2 3 0 "

P. M.												
1	ESE	ESE	3	30.21	81	81	75	bc.	cir.cum	6	
2	ENE	"	3	30.20	81	81	75	"	"	6	
3	"	"	3	30.19	80	80	76	"	"	6	
4	"	"	3	30.18	80	80	75	"	"	6	
5	"	East	2	30.18	80	80	75	"	"	5	
6	"	"	3	30.17	79	78	75	"	"	5	
7	East	ESE	3	30.17	81	78	75	b.	Jone	10	
8	ESE	"	3	30.17	82	77	75	"	"	10	
9	SE by S	"	3	30.17	78	78	75	"	"	10	
10	SW.	"	3	30.17	78	77	75	"	"	10	
11	"	"	2	30.17	79	77	75	b.c.	"	10	
Mid.	"	"	2	30.17	78	76	74	"	"	10	

under the command of Commander A. S. Snow, U. S. Navy,

Wednesday October 8th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mist to 4 a.m.

8 A.M to Meridn.

The Comdg. Officer ordered the following punishments: viz. J. J. Brennahan (Q. of D.) Not at his station at spreading awnings. — 12 hrs. extra duty. W. E. Stevens (Apsp) Carelessness — 12 hrs. ea. duty W. J. Mendel (Apsp) Not manning boats falls — 3 anchor watches. R. Post (Apsp) Out of uniform — 12 hrs. ea. duty. J. Gregory (Apsp) Disrespect in manner to the officer of the deck — 3 days bread & water. J. A. Callan (Apsp), M. McCarthy (Clk) J. Gregory (Apsp), C. J. Miller (Barber), A. Picatzky (Apsp), T. F. Sullivan (Apsp) for Profanity — One week anchor watch. Thos. Erskine (Apsp) Using vile language in boat — One week extra duty. R. Sherlock (Pvt) Neglect of duty — 10 hrs. extra duty. Pat. Dwyer (Lds) No cap ribbon — 18 hrs. extra duty, W. Liggan (OS.) No cuffs — 18 hrs. ea. duty D. Parker (Lds) Clothes adrift about decks: — one night watch. K. Amunson (Sea) 24 hrs., F. Srogie (Lds) 24 hrs., Thos. Erskine (Apsp) 24 hrs; F. Wilson (Sea) 24 hrs; C. Olsen (Capt Tops) 24 hrs; F. Weber (OS) 24 hrs; M. Conway (C & C) 24 hrs; W. Fellows (Baymen) 24 hrs; D. Parker (Lds) 13½ hrs; K. C. Nutter (PM) 44 hrs; B. Jacks (PM) 44 hrs; W. Carmody (PM) 60 hrs; G. Bradford (Clk) 48 hrs: J. M. Falvey (Arm) 65 hrs; E. Horwath (Sergt) 72 hrs, C. K. Jenyck (2 cl F) 72 hrs; W. Forrest (Ar Sr) 17 hours over liberty — Reduced to 4th Conduct Class; ½ of Monthly Money and not to be recommended for Honor. Discharge & C & C.

W. Carmody (PM) Loosing cap while on liberty — 6 hrs. extra duty. R. J. Miller (Lds) & B. Bailey — returning from liberty unfit for duty — reduced to 4th Class ½ of Monthly Money.

W. J. Mendel (Apsp) Turning in while on anchor watch — One weeks anchor watch W. Liggan (OS) Refusing to obey orders & using profane & agressive language Disobedience of orders of officer of deck, Not saluting colors at sunset, Not obeying orders of B. Mast. — Under sentry's charge awaiting Court Martial.

heavy shower at 1.45 and
& 1 and finished at 1.30

Geo. F. W. Holman
Lieut. U. S. N.

eze from E & E. Receives
Pay Depot for use of
d sail.

F. Wildes
Lieut. U. S. N.

teady. Gentle breeze from
boats had been lowered
Forward 12'8", amidships 14',
sail with regular crews
(Lds) & J. B. Nolan (Pvt).

J. H. Newton
Lieut. U. S. N.

m E & E. Sent liberty party

W. R. Mason Jr.
Ensign U. S. N.

breezes from East and E & E.
& hands and sent down

D. W. Mullone
Ensign U. S. N
breeze from E & E.

F. Wildes
Lieut U. S. N.

C. K. Jenyck
Lieut. Navigator.

under the command of Commander A. S. Snow, U. S. Navy,

Wednesday October 8th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 a.m.

Cloudy. Light airs from E&E. A heavy shower at 1.45 and a light one at 3.45. Commenced swinging to Ebb at 1 and finished at 1.30

Geo. F. W. Holman
Lieut. U. S. N.

4 to 8 a.m.

Pleasant weather. Light airs to light breeze from E&E. Received 117½ lbs. fresh beef, 117½ lbs. vegetables & 94 lbs. bread in Pay Dept. for use of crew. At 5. crossed royal & topgallant yards & loosed sail.

[illegible]
Lieut. U. S. N.

8 a.m. to Merid.

Bright, pleasant weather barometer steady. Gentle breeze from E&E. At 9.15 called "Abandon ship." After the boats had been lowered and manned the draught of the ship was taken Forward 12'8", amidships 14', aft 16'. The boats were afterwards exercised under sail with regular crews. Absent over leave: F. D. Cleary (OS), J. M. Cooper (Lds) & J. B. Nolan (Pvt).

J. F. Newton
Lieut. U. S. N.

Merid to 4 p.m.

Clear fine weather, gentle breeze from E&E. Sent liberty party ashore at 1.30 Furled sail.

W. R. Watson Field.
Ensign U. S. N.

4 to 8 p.m.

Clear and pleasant. Light to gentle breezes from East and E&E. At 5.45 mustered at quarters. At 5.55 called all hands and sent down topgallant and royal yards.

D. McCone
Ensign U. S. N.

8 p.m. to Mid.

Clear and pleasant, Gentle to light breeze from E&E.

[illegible]
Lieut. U. S. N.

Examined and found to be correct.

[illegible]
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Bahia, Brazil.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				Swinging	ESE	1			30.16	79	77	74		be	cum	9	
2				NE by E	"	1			30.16	79	77	74		"	cum. nimb	6	
3				NE!	East	1			30.16	79	77	75		be s/s.	"	3	
4				"	"	1			30.16	78	77	75		"	"	3	
5				NE by E.	"	1			30.16	78	77	75		"	"	5	
6				NE.	"	1			30.16	77	76	75		"	"	2	
7				"	"	1			30.17	77	77	76		"	"	1	
8				"	"	1			30.18	77	77	75		"	"	3	
9				South	"	3			30.20	78	78	75		be	cir. cum	5	
10				SSW	"	3			30.20	79	79	75		"	"	5	
11				South	"	3			30.19	79	79	76		"	"	5	
Noon.				"	"	3			30.18	79	79	76		"	"	5	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 334 gallons.

Water Distilled during the preceding 24 hours, 144 "

Water remaining on hand fit for use at Noon, 885 "

Coal consumed during the preceding 24 hours, tons 1300 lbs.

Coal remaining on hand at Noon, 101 " 830 "

P. M.											
1	SE.	ESE	3	30.15	80	80	76	be	cir. cum	6	
2	E by N.	"	3	30.13	80	80	76	"	"	6	
3	ENE.	East	3	30.11	80	80	77	"	"	6	
4	NE	"	3	30.11	80	80	76	"	"	8	
5	"	"	3	30.10	79	79	75	"	"	8	
6	"	"	3	30.09	80	79	75	"	"	8	
7	"	"	3	30.09	82	79	76	"	"	8	
8	"	"	3	30.09	82	79	76	"	"	7	
9	S by W.	"	3	30.13	82	79	76	"	cir	9	
10	SSW.	"	2	30.14	81	78	76	be	None	10	
11	"	"	2	30.14	81	77	75	"	"	10	
Mid.	"	"	2	30.14	80	78	76	"	"	10	

under the command of Commander A. S. Snow, U. S. Navy,

Thursday October 9th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 a.m.

Clear, clouding over at end of watch. Barometer steady. Light airs from E & E. and East.

J. T. Mawlow
Lieut U. S. N.

4 to 8 a.m.

Passing showers. Light airs from East. Crossed light yards at 8 am. Lighted fires for distilling.

W Ry Mason Field.
Ensign U. S. N.

8 a.m to Merid.

Clear and pleasant. Gentle breeze from East. At 9.30 mustered at quarters; the following men were absent without leave. J. M. Cooper (Lds) J. D. Cleary (OS) P. Dougherty (Pt) P. O'Brien (Pt), J. Clinton (2 cl F.) Jos: Pingree (Lds) J. Sliney (Sea) J. J. Talvey (CH). A number of articles in Bureau of Construction and Repairs and Equipt. were surveyed by board appointed for that purpose. Began distilling at 9.15. Sent W. G. Hubbard (Pt) to civil hospital in Bahia for treatment. Distilling

O. Mecrone
Ensign U. S. N.

Merid to 4 pm.

Clear and pleasant. Gentle breeze from E & E. to East. Commenced swinging to Ebb at 12.30. Rewards of ten dollars each were sent ashore for the apprehension and delivery aboard of the following men:- Patk. O'Brien (Pt), Patk. Dougherty (Pt) J. M. Cooper (Lds) J. J. Talvey (CH), J. D. Cleary (OS) Jno. Sliney (Sea) and J. Clinton (2 cl F.). - J. Pingree returned aboard and was put under sentry's charge until sober. Jno. Sliney and P. Dougherty (Pt) returned aboard. The Comdg. Officer paid an official visit to the Governor of Bahia.

Jno H Holman
Lieut. U. S. N.

4 to 8 pm.

Clear & pleasant. Gentle breeze from East.

~~O. M. Mecrone~~
Lieut. U. S. N.

8 pm to Mid.

Clear, light breeze from East. J. Clinton (2 cl F), J. M. Cooper (Lds), J. D. Cleary (OS), Patk O'Brien (Pt) were brought on board by Lt. Holman. J. D. Cleary (OS) and J. Clinton were put under sentry's charge to sober up. Distilling.

W Ry Mason Field
Ensign U. S. N.

Examined and found to be correct.

L. K. Curtis
Lieut: Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Bahia, Brazil

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				SW.	East	2			30.13	80	78	75		b.c.	cum mist	10	
2				NNE.	"	1			30.11	79	78	76		"	"	10	
3				NE by N	"	2			30.09	79	78	76		"	"	10	
4				"	"	1			30.09	79	77	75		"	"	10	
5				"	ENE	1			30.09	79	77	75		"	mist	8	
6				"	NE	1			30.10	78	77	75		"	"	5	
7				"	"	1			30.10	78	77	75		"	"	4	
8				"	"	1			30.12	80	77	75		"	"	6	
9				Swinging	North	1			30.13	80	77	75		"	"	6	
10				"	"	1			30.15	80	77	75		"	"	6	
11				SW.	SW.	1			30.14	79	79	76		"	"	3	
Noon.				"	"	1			30.13	80	80	76		"	"	2	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 353 gallons.

Water Distilled during the preceding 24 hours, 1343 "

Water remaining on hand fit for use at Noon, 1875 "

Coal consumed during the preceding 24 hours, 1 tons 1220 lbs.

Coal remaining on hand at Noon, 99 " 1850 "

P. M.												
1	South	SE	1	30.10	80	80	76	b c p.	cum	5
2	SE	"	2	30.07	80	80	76	b c.	"	5
3	ENE	ESE	3	30.05	80	79	76	"	"	5
4	NE	"	3	30.07	80	80	76	"	"	6
5	"	"	3	30.03	79	79	76	b c.	"	10
6	"	East	3	30.04	79	78	75	"	"	9
7	"	"	3	30.05	79	79	76	"	"	9
8	ENE.	"	3	30.05	80	79	76	"	"	10
9	Swinging	"	2	30.04	80	78	76	"	"	9
10	South	"	2	30.06	80	79	76	"	"	9
11	"	"	2	30.07	80	78	76	"	"	9
Mid.	"	"	2	30.07	80	78	76	"	"	9

under the command of Commander A. S. Snow, U. S. Navy,

Friday October 10th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 A.M.

Clear and pleasant. Light breeze to light airs from East. Comd.

Geo. F. W. Holman
Lieut U.S.N.

8 A.M. to Merid.

The Comdg. Officer ordered the following punishments: T. D. Cleary (OS) 50 hrs; J. Clinton (2 cl F) 26 hrs; J. M. Cooper (Lab) 50 hrs; Pat O'Brien (Pvt) 26 hrs; J. B. Nolan (Pvt) 25 hrs; Ed. McSweeney (Oiler) 6 hrs; Jere Dwyer (C K) 3½ hrs; M. McCarthy (C K) 6 hrs; Fred. Bowman (OS) 12½ hrs; Jos. Pingree (Lab) 8 hrs; J. Sliney (Sea) 19 hrs; P. Dougherty (PM) 20 hrs; over liberty.— Reduced to 4th Class; ½ Monthly Money, not to be recommended to Honor. Discharge & C.L.C. F. T. Applegate (Apps) & H. Ammerson (Sea) Wrong watch mark. – 8 hours extra duty. H. C. Mutter (Pvt) Leaving musket adrift on forecastle. – 8 hours extra duty. J. A. Callan (Apps) Loafing in sick bay – 12 hours extra duty. W. O. Pugh (Sea) Out of uniform & disobedience of orders – Red. to 4th Class; 3 Months. W. Behn (Pvt) Neglect of duty, talking on post & not knowing his orders – 10 hours extra duty. W. E. Anderson (B Mkr) Returning from liberty tight. – Off special class for two months. E. Dennis (Sea) W. J. Mendel (Apps), Thos. Shields (Pvt) J. Burnahan (Jr of D.), Ed. McKinney (Painter), C. Smith (Cox) Returning from liberty tight – Reduced one class.

8 A.M. to 4 P.M. Light breeze from North shifting to ... commenced swinging ship and finished at 4.30

Geo. F. W. Holman
Lieut U.S.N.

Noon to 4 P.M. Clear and pleasant. Light breeze from East to NE. Executed ... from sentrys ... o'clock. Rec'd on board ... fresh bread. Cleaned bilges.

D. McNeal
Ensign U.S.N.

... from North shifting to ... June 19m 05sec, A-10 ... no 2m 40sec, 3 do in 4m 10sec ... do 45sec, Engine 1m 55sec, ... at 10.30 J. J. Talvey (C K) ... ers over time. Italian Gunboat ... the Charges & Specification ... J. Liggan OS.

[illegible]
Lieut U.S.N.

... ing. Light to gentle ... the Governor of the State ... Gunboat "Andda Provana" ... board her. Comdg. Officer

J. McClure
Lieut U.S.N.

S E. Mustered at quarters ... five men absent. Distilling.

Wm. Wm. Field
Ensign U.S.N.

... from East. At 8.30 com...

Geo. F. W. Holman
Lieut U.S.N.

Examined and found to be correct.

L. K. Lunt
Lieut, Navigator.

under the command of Commander A. S. Snow, U. S. Navy,
Friday October 10th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 A.M.

Clear and pleasant. Light breeze to light airs from East. Commenced to swing to Ebb at 1, finished at 2.

Jno. F. W. Holman
Lieut. U. S. N.

4 to 8 A.M.

Mostly clear and pleasant. Light airs from E. NE to NE. Executed morning orders. Released J. D. Leary (OS) & John Clinton (2d F) from sentrys charge. Called all hands & crossed light yards at 8 o'clock. Rec'd on board in Pay Dept. 110 lbs. of fresh beef & vegetables & 88 lbs of fresh bread. Cleaned bilges.

D. McCune
Ensign U. S. N.

8 am to Merid

Partly cloudy, warm & pleasant. Light airs from North shifting to SW at about 10. At 9.30 "cleared ship for action" Time 19m 05sec, At 10 beat to general quarters. 1st Div ready in 2m 55sec, 2nd in 2m 40sec, 3d in 4m 10sec Masters Div. in 2m 50sec, Powder Div. in 3m 05sec, Surg. Div 0m 45sec Engr in 1m 55sec, Marine Guard in 1m 30sec. Tested flood cocks. Secured at 10.30 J. J. Talvey (CH) absent at quarters without leave, returned at 11.50, 4 hrs. over time. Italian Gunboat "Andrea Provana" came in from the N'd. Delivered the Charges & Specifications of Charges preferred by Comdr. A. S. Snow against Wm J. Liggan OS.

F. Harriman
Lieut. U. S. N.

Merid to 4 pm.

Bright and pleasant. Barometer falling. Light to gentle breeze from S & E and ESE. His Excellency the Governor of the State of Bahia visited the ship officially. The Italian Gunboat "Andrea Provana" came in and anchored. An officer was sent to board her. Comdg. Officer of the "Provana" visited this ship.

J. T. Newton
Lieut. U. S. N.

4 to 8 pm.

Clear fine weather, gentle breeze from ESE. Mustered at quarters and sent down light yards. Liberty parties returned, five men absent. Distilling.

Wm H. Allen Field
Ensign U. S. N.

8 pm to Mid

Clear and pleasant. Gentle to light breeze from East. At 8.30 commenced swinging to flood and finished at 9.30

Jno. F. W. Holman
Lieut. U. S. N.

Examined and found to be correct.

L. K. Dunton
Lieut., Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Bahia, Brazil

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.				SSW	NE	2			30.06	79	78	76		o c	cir. cum	0	
1				NE.	East	1			30.05	79	77	75		b c.	"	6	
2				"	Calm	0			30.05	79	77	75		b. o.	none	10	
3				"	"	0			30.04	79	77	75		"	"	10	
4				"	"	1			30.06	78	77	75		b c.	"	9	
5				NE by N.	NE.	1			30.07	78	78	76		"	nim. str.	8	
6				"	"	1			30.08	78	77	75		"	"	7	
7				"	"	2			30.11	80	78	75		"	str. cum. mist	4	
8				"	"	2			30.11	79	78	76		"	"	6	
9				"	"	2			30.12	79	79	77		"	cum	4	
10				SW	"	2			30.12	80	79	77		"	"	3	
11				SW by S	WSW	2			30.11	81	80	77		"	"	3	
Noon.				"	SW	1											

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 350 gallons.

Water Distilled during the preceding 24 hours, 1025 "

Water remaining on hand fit for use at Noon, 2900 "

Coal consumed during the preceding 24 hours, 1 tons 1850 lbs.

Coal remaining on hand at Noon, 98 " 0000 "

P. M.												
1	SSW	SSE.	3	30.09	80	80	77	bc	cum	3		
2	Swinging	"	3	30.07	81	80	77	"	"	2		
3	"	"	3	30.06	81	80	77	"	"	2		
4	"	"	3	30.06	81	80	77	"	"	2		
5	NE	East	3	30.05	80	79	76	b	None	10		
6	"	"	3	30.06	80	78	76	"	"	10		
7	"	"	4	30.06	80	78	76	bc. l	cum	9		
8	"	"	4	30.06	80	78	76	"	"	9		
9	ENE	"	3	30.08	80	79	77	bc.	"	6		
10	SSW.	"	3	30.09	80	78	76	"	"	8		
11	"	"	2	30.11	80	78	76	"	"	8		
Mid.	"	"	2	30.11	80	78	76	"	"	8		

under the command of Commander A. S. Snow, U. S. Navy,

Saturday October 11th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 AM

Clear. Light airs from NE to East & calm

Distilling

~~H. Weaver~~

Lieut U. S. N.

4 to 8 AM.

Clear, pleasant, Barometer rising. Light airs from NE. Royal Mail Steamer "Thames" came in at 6 & anchored. Lamport & Holts S/S Harmon shifted berth from quarantine at 8.

J. J. Newton ~~H. Weaver~~

Lieut U. S. N.

8 AM to Merid.

Fair, with a light passing shower. Light breeze & light airs from NE & N & W & W & SW. Mustered at quarters: Absentees. R. Post (A/S), Thos. Wright (A/S) Jas. McKinnon (Sea). Comdg. Officer called officially on the Italian Corvette "Provana" Released J. Gregory (A/S) from confinement. A Summary Court Martial convened at 9.05 for the trial of Wm Liggan (OS).

W. R. Z. Mason Jr.

Ensign U. S. N.

Merid to 4 PM

Fair with gentle breeze from SSE. At 1.00 stopped distilling. Sent Whale Boat, Gig & 2nd Cutter out to exercise under sail. Court met at 1.00 and adjourned at 3.02 to meet on Monday. Ship finished swinging to Ebb at 4.

Stopped

D. McGrone

Ensign U. S. N.

4 to 8 PM.

Clear and pleasant. Gentle to moderate breeze from East. Ebb. R. Post (A/S) and Thos. Wright (S. A/S2cl) were brought on board by the police and a reward of $10 each was paid for their delivery. Heat lightning in the W and West, latter part of watch.

Luigi F. Holman

Lieut U. S. N.

8 PM to Mid.

Clear and pleasant. Gentle breeze to light airs from E. Barometer rising. Lightning about W. horizon

J. J. Newton

Lieut U. S. N.

28

Examined and found to be correct.

L. K. Dunton

Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Bahia, Brazil.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				SW	Calm	0			30.09	80	78	76		b	None	10	
2				Swinging	NNE.	1			30.08	79	78	76		bc	cum	8	
3				NE by E	Calm	0			30.06	79	77	76		b	"	8	
4				"	"	0			30.06	78	77	76		"	"	8	
5				E by N.	ENE	1			30.06	78	78	76		"	"	8	
6				NE by N.	"	1			30.07	77	77	75		"	"	6	
7				"	"	2			30.09	78	77	75		"	nimb	4	
8				"	East	2			30.12	78	77	75		"	"	6	
9				N by E	North	1			30.14	80	78	76		bc.	cir. cum	5	
10				SSW	"	1			30.14	78	79	77		"	"	5	
11				"	"	1			30.14	79	77	78		"	"	5	
Noon.				"	SSE	2			30.14	80	79	76		"	"	5	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 330 gallons.

Water Distilled during the preceding 24 hours, 70 "

Water remaining on hand fit for use at Noon, 2640 "

Coal consumed during the preceding 24 hours, tons 1210 lbs.

Coal remaining on hand at Noon, 97 " 1030 "

P. M.										
1	SSW	ESE.	3	30.09	80	79	76	bc	cir. cum	9
2	South	"	3	30.06	79	79	76	"	"	7
3	East	"	3	30.05	79	80	76	"	"	8
4	ENE	"	3	30.03	80	80	76	"	"	8
5	NE	East	3	30.04	79	79	76	"	"	8
6	"	ENE	3	30.03	79	79	76	"	"	7
7	"	"	3	30.05	80	80	77	"	"	7
8	"	"	3	30.06	81	80	77	"	"	7
9	NE by E	East	3	30.09	80	80	77	b	none	10
10	South	"	2	30.11	81	78	76	"	"	10
11	SSW.	"	2	30.11	80	78	76	"	"	10
Mid.	"	"	1	30.11	80	78	76	"	"	10

under the command of Commander A. S. Snow, U. S. Navy,
Sunday October 12th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 am
Clear fine weather. Calms.

W Rg. Mason Gill
Ensign U. S. N.

4 to 8 am.
Fair, light airs & breze from East & E by E. Executed morning orders. The Italian Gunboat "Guidea Provana" left harbor at 6.15. Received in Pay Dept. 116 lbs. fresh meat & vegetables and 92 lbs. bread.

O'Malone
Ensign U. S. N.

8 am to Merid.
Fair. Light airs from North first three hours. Light breze from S S E. last hour. Commenced swinging to ebb at 9.30, finished at 11. Jas. McKinnon, (Sea) was brought on board and a reward of $10 00 paid for his delivery. At 9.30 mustered at quarters and the ship and crew were inspected by the Commdg. Officer.

Jno. W. Holman
Lieut. U. S. N.

Merid to 4 pm.
Clear and pleasant. Gentle breze from E S E. Swinging to ebb from 2 to 4

F. H. Newton
Lieut. U. S. N.

4 to 8 pm
Clear and pleasant. Gentle breze from E and E by E. Barometer steady.

J. J. Newton
Lieut. U. S. N.

8 pm to Mid.
Clear fine weather. Light to gentle breze from East.

O'Malone
Ensign U. S. N.

Examined and found to be correct.

L. K. Dunn
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

Bahia, Brazil

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				SW by S	ENE	1			30.11	80	78	76		b	none		
2				"	"	1			30.09	80	78	76		"	cum		
3				S by W	"	1			30.09	80	78	76		"	"		
4				ENE	Calm	0			30.07	80	78	76		"	"		
5				NEN	ENE	1			30.07	79	77	75		bc	"	3	
6				"	NE	1			30.08	79	77	75		"	"	5	
7				"	"	1			30.10	78	78	75		bc	cum.strat	6	
8				"	ENE	1			30.12	78	77	75		"	"	5	
9				NNE	North	1			30.14	78	77	75		"	"		
10				Swinging	Calm	0			30.14	78	77	75		bc pd	cir. cum		
11				South	"	0			30.14	79	78	76		bc	"		
Noon.				SSE.	North	1			30.13	79	79	76		"	"		

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 334 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2306 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 97 " 630 "

P. M.											
1	SSW	ESE.	4	30.09	79	78	75	bc	cum.str	4
2	S½W	"	3	30.08	79	78	75	"	"	2
3	SSE	"	3	30.07	79	78	75	"	"	2
4	East	"	2	30.06	80	79	75	"	"	4
5	NE	"	3	30.06	79	79	75	"	"	4
6	"	ENE	3	30.06	79	79	75	"	cir.cum	4
7	"	ESE.	3	30.06	80	79	76	"	"	6
8	"	"	3	30.07	81	79	77	"	"	8
9	NE by N	"	2	30.10	81	80	77	"	"	8
10	Swinging	"	2	30.13	80	81	77	"	"	7
11	SBW.	"	1	30.13	80	79	76	"	"	7
Mid.	"	"	1	30.12	79	79	77	"	"	7

under the command of Commander A. S. Snow, U. S. Navy,

Monday October 13th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 am.

Clear and pleasant. Light airs from ENE. At 3 commenced to swing to ebb.

Jno H. Coffman
Lieut. U. S. N.

4 to 8 am.

Generally cloudy but pleasant. Light airs from ENE & NE. Strong ebb tide. Received 118¾ lbs. beef, 118¾ lbs; vegetables & 98 lbs. bread in Pay Dept. for use of crew. At 8 crossed royal yards.

F. H. Prince
Lieut U. S. N.

8 am to Merid.

Bright and pleasant, passing showers from 9 to 10, barometer steady. Calm and light airs from N. At 9.30 mustered at quarters. Summary Court reconvened for the trial of Wm J. Liggan (OS). At 12 court adjourned having concluded the case, to await the action of Comdg. Officer. D. F. Linnehan (S. bks) was confined for 5 days on bread and water for assaulting another person by order of Comdg. Officer.

J. N. Newton
Lieut U. S. N.

Merid to 4 pm.

Clear fine weather. Moderate to light breeze from ESE. Exercised divisions at target practice.

W Ry Mason Jr.
Ensign U. S. N.

4 to 8 pm.

Fair and pleasant. Gentle breeze from ESE and ENE. Finished target practice for day & took in targets.

D. McAlone
Ensign U. S. N.

8 pm to Mid.

Partly Cloudy, but warm & close. Light breeze to light airs from ESE. Swinging to flood from 9.05 to 10.55.

F. H. Prince
Lieut U. S. N.

Examined and found to be correct.

G. K. Lunsford
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

Bahia, Brazil.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				SWbyS	South	1			30.10	79	78	76		bc.	cir. str	4	
2				"	"	1			30.08	78	78	76		"	"	4	
3				SSW	"	2			30.07	78	78	76		"	"	6	
4				South	"	1			30.07	77	77	75		"	"	5	
5				ENE	NE	2			30.07	77	78	75		"	nimb	1	
6				NEbyN	"	2			30.09	77	77	75		oc s	"	0	
7				"	"	2			30.12	78	77	75		"	"	0	
8				"	"	2			30.13	78	77	75		"	"	3	
9				NNE	North	2			30.17	78	78	76		bc	"	1	
10				North	NNW	2			30.17	78	78	76		"	nimb	2	
11				SW	"	2			30.17	78	78	76		oc	"	0	
Noon.				SWbyS	SWbyS.	2			30.16	78	78	76		bc	"	1	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 340 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1966 "

Coal consumed during the preceding 24 hours, tons 1200 lbs.

Coal remaining on hand at Noon, 96 " 1670 "

P. M.													
1		SSE	ENE	2	30.14	78	78	75	oc d	cum.nimb	0		
2		"	"	1	30.11	77	77	75	oc	"	0		
3		"	ESE	2	30.10	77	77	75	"	"	0		
4		Swinging	"	2	30.08	77	77	74	"	"	0		
5		NEbyE	"	2	30.08	78	78	75	"	"	0		
6		NE	"	2	30.08	79	78	78	"	cum str	0		
7		"	"	3	30.09	79	77	80	"	"	0		
8		NNE	ENE	3	30.09	80	80	77	bc	"	2		
9		"	"	2	30.08	80	80	77	oc	nimbus	0		
10		NEbyNorth	"	2	30.09	81	80	77	"	"	0		
11		SbyW	"	2	30.09	80	79	77	"	"	0		
Mid.		SSW.	"	2	30.09	80	79	77	"	"	0		

under the command of Commander A. S. Snow, U. S. Navy,

Tuesday October 14th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 am.

Clear and pleasant. Light breeze from S. Barometer falling.

J. H. Glennon
Lieut. U. S. N.

4 to 8 am.

Overcast & passing showers. Light breeze from NE. Got up both bower chains. Sent out both targets.

W Ry Mason Jr Fld.
Ensign U. S. N.

8 am to Merid.

Cloudy with rain at intervals. Light breze from North to SW by S. Exercising divisions at target practice. Overhauled & stowed both bower chains & sheet chain. Engaged in target practice with pistols and rifles

D. M. Stone
Ensign U. S. N.

Merid to 4 pm.

Overcast drizzling rain first hour. Light breze to light airs from ENE to ESE. At 3.25 commenced swinging to ebb. Engaged in target practice with rifles and with revolvers.

Geo. F. Holman
Lieut U. S. N.

4 pm to 8 pm

Cloudy but pleasant. Gentle to light breeze from ESE to ENE. Finished swinging to ebb at 5.15. Second division engaged in rifle target practice till 5

F. Harlow
Lieut. U. S. N.

8 pm to Mid.

Overcast and cloudy, light breeze from NNE.

W Ry Mason Jr Fld.
Ensign U. S. N.

Examined and found to be correct.

Le. K. Lucas
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

Bahia, Brazil

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				SSW.	ENE	2			30.09	80	79	77		bc	cir. cum	1	
2				"	"	2			30.08	79	78	76		"	"	1	
3				"	"	2			30.06	79	78	76		"	"	1	
4				"	"	2			30.05	79	78	76		"	"	1	
5				NE by N	NE	1			30.05	78	78	76		"	nimb	2	
6				"	"	1			30.06	77	77	75		oc. p.	"	0	
7				"	"	1			30.06	77	77	75		oc	"	0	
8				"	"	2			30.06	77	77	75		bc	"	1	
9				NNE	North	2			30.05	78	77	76		"	cum str	2	
10				"	"	2			30.05	79	78	76		"	cum nimb	2	
11				NNW	"	2			30.05	79	79	76		oc	"	0	
Noon.				SSW	SE	2			30.05	79	79	76		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 332 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1634 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 96 " 1270 "

P. M.										
1	SSW	SE	4	30.02	79	78	76	bc.	nimb	3
2	"	ESE	4	30.00	78	78	76	"	cir cum.	2
3	S by W	ENE	3	29.98	78	78	75	"	"	1
4	SSE.	"	3	29.97	78	78	75	"	"	4
5	E by N	"	3	29.95	78	78	75	"	"	6
6	NE by E	"	3	29.97	78	78	75	"	cir str.	5
7	NE	"	3	29.97	80	79	77	"	"	5
8	"	"	3	29.97	81	80	77	"	"	6
9	NE by N	"	3	29.97	80	79	77	"	"	5
10	"	"	3	29.98	80	78	76	"	"	5
11	NE	"	1	29.98	80	77	76	"	"	5
Mid.	SSW	"	2	29.98	80	77	76	"	"	5

under the command of Commander A. S. Snow, U. S. Navy,
Wednesday October 15th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 a.m.
Cloudy. Light breze from ENE.

D. M. Stone
Ensign U. S. N.

NE. At 4 commenced swing small arm practice. At 8. fresh beef and vegetables-rec

Geo. F. W. Holman
Lieut. U. S. N.

8 am to Merid.
The Commanding Officer ordered the following punishments: viz J. J. Falvey (Ck) 42 hrs; F. H. Vogel (OS) 2½ hrs; J. F. Enright (Ck) 4 hrs; Ed. Sten (OS) 14 hrs; R. Post (Appr) 23 hrs; Thos. Wright (S. Appr) 23 hrs; and Jas. McKinnon (Sea) 41 hours over time — Reduced to 4th Conduct Class; 75 Monthly Money not to be recommended for Honorable Discharge. C. J. Miller (Barber) Not cleaning bright work — One hour each morning at brightwork for one week. Peter Buler (Sea) & Jos. H. Spear (Ck) Returning from liberty tight — Reduced one class: H. L. Walden (Appr) Not hooking on boat: P. O'Brien (Pt M) Neglect of duty — 12 hours extra duty. A. R. Brown (Appr) & Thos. Wright (S. Appr 2d) Clothes in lucky bag — 6 hours extra duty. P. M. Cannon (Appr) Not manning boat — 8 hrs extra duty.

ege from North shifting to
40 called all hands to
tence of Summary Court
ntence solitary confinement
with full rations: every third
and sentence were also
carried out. Second Divisio
division at revolver practice.

F. Harrison
Lieut. U. S. N.

to gentle breze from
t firing with revolvers and

J. T. Newton
Lieut. U. S. N.

boarders fired at target.

The first division of
W Rey Marsh. Field.
Ensign U. S. N.

8 pm to Mid.
Clear and pleasant. Gentle breze to light airs from ENE. At 11.15 commenced to swing to flood and finished at 12.00

Geo. F. W. Holman
Lieut. U. S. N.

Examined and found to be correct.

L. K. Lewis
Lieut. Navigator.

under the command of Commander A. S. Snow, U. S. Navy,

Wednesday October 15th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 am.

Cloudy. Light breeze from ENE.

D. McClone
Ensign U.S.N.

4 to 8 am

Clearing. Light airs to light breeze from NE. At 4 commenced sowing to 28b finished at 4.45. Anchored targets for small arm practice. At 8. loosed sails. Rec'd on board for use of crew, 1183/4 lbs of fresh beef and vegetables and 95 lbs of bread.

Geo. F. W. Holman
Lieut. U.S.N.

8 am to Merid.

Cloudy, threatening rain. Light breeze from North shifting to SE. at 11.10. At 9.30 mustered at quarters. At 9.40 called all hands to muster & read Specifications, findings and sentence of Summary Court Martial ordered for the trial of Wm Liggan (OS). Sentence solitary confinement on bread & water in double irons for 30 days, with full rations every third day and two months extra police duty. The findings and sentence were approved by the Comdg. Officer & the sentence ordered to be carried out. Second Division engaged at rifle target practice, 1st, 3d & masters division at revolver practice.

F. Harrison
Lieut U.S.N.

Merid to 4 pm

Bright and pleasant. Moderate to gentle breeze from SE to ESE and ENE. Barometer falling. Target firing with revolvers and rifles.

J. T. Newton
Lieut. U.S.N.

4 to 8 pm

Clear. Gentle breeze from ENE. The first division of boarders fired at target.

W Rx Maxwell Field
Ensign U.S.N.

8 pm to Mid.

Clear and pleasant. Gentle breeze to light airs from ENE. At 11.15 commenced to sowing to flood and finished at 12.00

Geo. F. W. Holman
Lieut U.S.N.

Examined and found to be correct.

Le. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

Bahia, Brazil

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				SWbyS	NE	3			29.98	78	78	76		bc	nimb	8	
2				SWbyS	NNE	3			29.96	78	78	76		"	"	8	
3				SW	"	3			29.94	78	78	76		oc	"	0	
4				WbyN.	"	3			29.94	78	78	76		"	"	0	
5				NNE	"	3			29.96	78	77	75		"	"	0	
6				"	"	3			29.97	77	76	74		"	"	0	
7				North	"	3			29.99	77	76	74		bc	cum	1	
8				NbyE	North	3			30.00	78	76	74		"	cum str.	1	
9				NNE	"	3			30.01	78	77	74		"	cir. cum	3	
10				"	"	3			30.00	79	76	80		"	"	3	
11				Swinging	"	2			30.01	79	76	80		"	"	3	
Noon.				SWbyW.	"	2			30.00	80	77	81		"	"	2	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 341 gallons.

Water during the preceding 24 hours, 165 "

Water remaining on hand fit for use at Noon, 1458 "

Coal consumed during the preceding 24 hours, 1 tons 140 lbs.

Coal remaining on hand at Noon, 95 1130 "

P. M.												
1	SSW	SE.	1	29.94	81	82	77	bc	cir cum	4		
2	"	ESE.	3	29.90	81	82	77	"	"	4		
3	SbyW	East	3	2987	81	82	77	"	"	4		
4	South	"	3	29.86	81	81	77	"	"	4		
5	East	"	2	29.85	81	80	77	"	"	3		
6	NEbyN.	NEbyN	3	29.87	81	80	77	bcf	cum nimb	2		
7	"	"	3	29.86	80	80	77	bclt.	"	2		
8	NE	ENE	3	29.85	81	81	77	"	"	3		
9	"	"	2	29.88	80	78	76	"	"	4		
10	"	"	3	29.94	80	79	76	oc	"	0		
11	"	"	3	29.92	81	78	76	"	"	0		
Mid.	Swinging	"	2	29.91	81	78	76	"	"	0		

under the command of Commander A. S. Snow, U. S. Navy,

Thursday October 16th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 am. Clear first part. Cloudy last hour. Gentle breeze from NE. to NNE. Swinging to ebb at 4.

F. Harriden
Lieut. U. S. N.

4 to 8 am. Bright and pleasant. Barometer rising. Gentle breeze from NNE. and North. Made preparations for coaling ships. Broke roller bands for 2 of 6 Pounder.

W. T. Newton
Lieut. U. S. N.

8 am to Merid. Clear and pleasant, gentle to light breeze from N. Coaling ships & firing at target. Started distilling at 9.30. Draft of ships forward 12'8" aft 16', amidships 14'4" before coaling.

W Ry Mason Jr.
Ensign U. S. N.

Merid to 4 pm. Fair. Light airs to gentle breeze from SE to East. Placed Jer Mahoney (CT) under sentry's charge by order of Comdg. Officer. Finished coaling ships. Exercised riflemen, boarders & 6 pdr guns crew at target practice. Distilling. Draught of ships, forward 15'6" amidships 14, aft 16.2 Recd on board 75 tons of coal.

O'Meone
Ensign U. S. N.

4 to 8 pm. Fair. Light to gentle breeze from E to NE. Lightning and thunder to the Northward during last part of watch. Finished swinging to ebb at 6.

Geo. Dunbar Colyer
Lieut. U. S. N.

8 pm to Merid. Overcast, gentle breeze from ENE. Barometer fluctuating.

W. T. Newton
Lieut. U. S. N.

Examined and found to be correct.

Lo. K. Lewis
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

Bahia, Brazil

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				SSW.	NNE	2			29.90	79	79	76		bc	cumi	5	
2				"	"	2			29.90	79	79	76		"	"	5	
3				SW.	"	3			29.90	78	79	76		"	"	2	
4				WSW.	"	3			29.89	78	78	76		bc	"	5	
5				N by W.	"	2			29.90	78	79	76		oc	nimb str.	0	
6				NNE.	"	1			29.90	78	77	75		"	"	0	
7				NE by N.	"	1			29.92	78	77	75		bc	"	0	
8				"	"	2			29.94	78	77	75		bc	"	1	
9				NNE.	NNW.	2			29.95	78	78	75		"	cir. cumi	4	
10				"	"	2			29.95	79	79	77		"	"	5	
11				NE by N	Calm	0			29.95	79	80	78		"	"	3	
Noon.				NE.	NNE.	1			29.94	80	80	78		"	"	2	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 360 gallons.

Water during the preceding 24 hours, 1202 "

Water remaining on hand fit for use at Noon, 2308 "

Coal consumed during the preceding 24 hours, 1 tons 1040 lbs.

Coal remaining on hand at Noon, 169 " 90 "

P. M.													
1	SW by S.	Calm	0	29.91	81	81	79	bc	cumi	4			
2	"	ENE	2	29.88	82	82	80	"	"	5			
3	"	ESE	1	29.86	83	83	80	bct	"	4			
4	"	North	3-5	29.86	81	82	79	ocg	cum. nimb	0			
5	SW	West	3-5	29.88	81	81	79	ocg	prlt	"	0		
6	NE by E	ENE	2	29.88	82	80	79	ocprlt.	"	0			
7	NE.	"	2	29.88	81	81	78	ocl	"	0			
8	"	"	2	29.89	81	81	78	"	"	0			
9	NE by N	NE by N	2	29.93	80	81	79	ocorlt.	nimb	0			
10	"	"	2	29.93	80	81	79	"	"	0			
11	NNE	NW.	3	29.97	80	80	79	"	"	0			
Mid.	N by E.	"	3	29.99	80	79	78	"	"	0			

under the command of Commander A. S. Snow, U. S. Navy,
Friday October 17th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 am. Clear fine weather, light to gentle breeze from NNE.
Distilling.

W. Roy Mason Jr.
Ensign U. S. N.

4 to 8 am. Mostly cloudy, pleasant weather. Light airs and breezes from NNE. Executed morning orders. Cleaned bilges. Rec'd in Pay Depart 118 3/4 lbs fresh meat and vegetables each, 95 lbs fresh bread. Distilling.

D. McCone
Ensign U. S. N.

8 am to Merid. Fair and warm. Light breeze from NNW first two hours; calm third hour. Light airs from NNE. last hour. Ebb. At 9.30 went to general quarters. Times of reporting ready:- 1st Div. 2m 5sec, 2nd Div 2m 9sec 3d Div 5m 10sec, Navy. Dep. 1m 57sec Powder Div. 3m 5sec, Eng Div 1m 40s. Pay Dept 0m 38s, Surg. Div 0m 50sec, Marines 3m 2sec. Exercised the gun captains firing at target at 300 yrds distance with shooting tube in the 6 Opdr. rifle.

Geo. F. Coleman
Lieut. U. S. N.

Merid to 4 pm. Partly cloudy warm & sultry first three hours: Calm and light breeze from ENE. to ESE. first three hours; last hour squally and threatening rain from thunder shower passing to N'd over the land. U. S. Consul paid an unofficial visit to the ships.

Lieut U. S. N.

4 to 8 pm. Warm and sultry. Wind light and variable. Rain squall from W at 5. Occasional rain. Brilliant lightning.

J. T. Newton
Lieut U. S. N.

8 pm to Mid. Overcast. Cloudy and raining with thunder and lightning Light to gentle breeze from NE by N to NW. Distilling. By order of Comdg Officer placed W. Stevens (apps) under sentry's charge to await investigation.

D. McCone
Ensign U. S. N.

Examined and found to be correct,

Le. K. Lewis
Lieut: Navigator.

LOG of the UNITED STATES Steamer Essex , Rate,

Bahia, Brazil

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				ENE	NNE	3			29.94	80	78	77		o.r.lt.	cum. nimb.	0	
2				SSW	"	3			29.90	78	78	76		o t.	"	0	
3				"	"	3			29.90	78	78	77		b c	"	1	
4				"	"	3			29.91	78	78	77		"	"	1	
5				SW by W	"	1			29.93	79	79	78		o c fo	nimb	0	
6				W by S	"	1			29.94	79	79	78		"	"	0	
7				North	SW	1			29.98	78	77	77		o c	"	0	
8				NE.	SE	2-3			30.00	78	77	76		o c fo g	"	0	
9				"	SSW	3-5			30.04	76	75	74		o fo g r.	"	0	
10				ENE	"	3-5			30.07	76	75	74		"	"	0	
11				"	South	3-5			30.07	76	75	74		"	"	0	
Noon.				EbyS	SSW	3-5			30.06	76	75	74		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Latitude by observations of ⊙ ° ′ ″

Longitude by chronometer from Forenoon Observations of ⊙ ° ′ ″

Position at 8 a. m. Latitude by ° ′ ″

Longitude by ° ′ ″

Position at 8 P. M. Latitude by ° ′ ″

Longitude by ° ′ ″

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " ° ′ ″

Water expended during the preceding 24 hours, 320 gallons.

Water during the preceding 24 hours, 1100 "

Water remaining on hand fit for use at Noon, 3080 "

Coal consumed during the preceding 24 hours, tons 2200 lbs.

Coal remaining on hand at Noon, 168 " 130 "

P. M.												
1	SSW	SSW.	4	30.05	76	75	74	o fo g r.	nimb	0		
2	"	"	4	30.05	76	75	74	"	"	0		
3	"	"	3	30.05	76	75	74	"	"	0		
4	"	"	3	30.05	76	75	74	o fo g w	"	0		
5	SSW	SbyW	3	30.05	76	75	74	o c r	"	0		
6	"	"	3	30.06	79	76	75	"	"	0		
7	SE	"	2	30.08	80	77	75	o c	"	0		
8	NEbyE	"	2	30.10	80	76	75	o c r	"	0		
9	NE.	SSE	3	30.12	80	78	76	"	"	0		
10	"	"	3	30.13	79	78	76	"	"	0		
11	"	South	3	30.13	78	78	76	o c d	"	0		
Mid.	"	"	3	30.12	78	77	76	o c r	"	0		

under the command of Commander A. S. Snow, U. S. Navy,

Saturday October 18th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 a m.

Cloudy. Gentle breze from NNE., Rain with thunder and lightning first hour. Lightning passing off to SE & Wd. second hour. Commenced swinging to flood at 12.46, finished at 2.

Geo. Forthman
Lieut. U. S. N.

4 to 8 am.

Cloudy with occasional passing showers. Light airs from NNE. first two hours shifting to SW in rain shower at about 6. At end of watch moderate wind & rain squall with wind from SE. Stopped distilling at 4.

[illegible]
Lieut U. S. N.

8 to Merid

Overcast, rainy at times; moderate squalls. Wind from SSW to South. Barometer steady. At 11.45 commenced swinging to the flood. By order of Comdg. Officer released D. F. Linnehan (S. boy) from confinement, his term of confinement having expired. Placed J. Mahoney (Ck) under sentry charge for 5 days on bread and water for getting drunk on duty. Released W. E. Stevens (Asp) from surveillance of sentry.

J. T. Newton
Lieut U. S. N.

Merid to 4 pm.

Overcast, squally & rainy, moderate to gentle breze from SSW.

W Roy Mass Fyfe
Ensign U. S. N.

4 to 8 pm.

Overcast, cloudy and rainy. Gentle to light breze from S by W.

D. Wilson
Ensign U. S. N.

8 pm to Merid.

Overcast, cloudy & rainy. Gentle breze from SSE. to South. Ebb tide.

[illegible]
Lieut U. S. N.

Examined and found to be correct.

[illegible]
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

Bahia, Brazil.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				SSW.	South	3			30.08	77	76	75		o c pr	nimb	0	
2				"	"	2			30.08	77	76	75		"	"	0	
3				"	"	2			30.08	77	76	75		"	"	0	
4				"	"	3			30.08	77	77	76		"	"	0	
5				S by W	SSE	3			30.09	75	76	75		o c	"	0	
6				South	SE	3			30.11	75	76	75		o c d	"	0	
7				S by E	"	2			30.11	76	76	75		o c	"	0	
8				ENE	East	3			30.13	76	75	75		o c r	"	0	
9				NE by E	NE	2			30.12	76	76	75		"	"	0	
10				"	"	2			60.12	77	76	75		"	"	0	
11				"	"	2			30.12	77	76	75		"	"	0	
Noon.				"	"	2			30.12	76	75	74		"	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 335 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2745 "

Coal consumed during the preceding 24 hours, tons 409 lbs.

Coal remaining on hand at Noon, 167 " 1970 "

P. M.													
1			NE by N	ENE	2	30.10	76	75	74	o c r	cum nimb	0	
2			NE by E	"	2	30.09	76	75	74	"	"	0	
3			SSE by S	ESE	2	30.08	76	76	75	o c p	"	0	
4			S by W.	East	2	30.07	76	76	75	"	"	0	
5			"	ENE.	2	30.06	75	75	74	"	"	0	
6			SSW	"	2	30.05	76	75	74	"	"	0	
7			South	ESE	2	30.06	78	77	75	"	"	0	
8			SE	"	2	30.09	80	77	75	o c	"	0	
9			NE by E	"	2	30.09	80	77	75	"	"	0	
10			"	"	2	30.10	81	77	75	o c	"	2	
11			"	"	2	30.10	81	77	75	"	"	2	
Mid.			NE.	"	2	30.10	80	77	75	"	"	5	

under the command of Commander A. S. Snow, U. S. Navy,

Sunday October 19th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Merid to 4 am
Overcast. Light to gentle breeze from S. Barometer steady, passing showers.
W. T. Newton
Lieut U.S.N.

4 to 8 am
Overcast, cloudy, gentle breeze from East to SSE. Rain at times.
W Ry Mason Jr
Ensign U.S.N.

8 am to Merid.
Overcast. Cloudy and rainy. Light to gentle breeze from NE. At 9.30 mustered at quarters.
D Mc Stone
Ensign U.S.N.

Merid to 4 pm.
Overcast. Steady rain first part, passing showers latter part. Light breeze between NE and ESE. Sky lighting up during the watch. At 2 commenced swinging to flood and finished at 2.30.
Jaqu F W Holman
Lieut. U.S.N.

4 to 8 pm
Cloudy with occasional light drizzle, clearing last two hours. Light breeze from ENE to ESE. Commenced swinging to ebb at 7 and finished at 8.
[illegible]
Lieut. U.S.N.

8 pm to Mid.
Fair weather, light breeze from ESE.
W Ry Mason Jr
Ensign U.S.N.

Examined and found to be correct.

[illegible]
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

Bahia, Brazil

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				NE by N	ESE	2			30.07	78	77	75		b c	cum.	5	
2				East	"	2			30.05	78	78	75		0 c	"	0	
3				S by W	"	2			30.06	77	77	75		b c	"	5	
4				SW	"	2			30.05	77	77	76		"	"	/	
5				SSW	ESE	3			30.06	76	77	76		"	"	2	
6				"	"	2			30.06	76	77	75		"	cum. nimb	2	
7				SW by S	"	2			30.08	77	77	75		"	"	/	
8				SSE.	"	2			30.08	78	77	75		"	"	/	
9				E by N	"	2			30.11	78	78	75		"	"	3	
10				NE by N	North	2			30.11	78	78	76		"	"	2	
11				N by E	West	2			30.11	78	78	76		"	"	2	
Noon.				NNE	North	2			30.12	79	78	76		"	"	/	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 322 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2423 "

Coal consumed during the preceding 24 hours, tons 1165 lbs.

Coal remaining on hand at Noon, 167 " 805 "

P. M.														
1				NE by E	NW.	1			30.08	78	78	77	b c p	cum. nimb 2
2				E by N	ESE	3			30.06	78	78	76	b c	" 4
3				East	"	2			30.04	79	78	76	"	" 4
4				ESE	"	2			30.03	79	78	76	"	" 4
5				SSE	ENE	3			30.02	79	78	76	"	" 2
6				South	"	3			30.02	78	77	75	"	" 2
7				SSW	ESE	2			30.02	78	77	76	"	cir. cum 2
8				"	"	1			30.04	78	78	76	"	" 2
9				"	"	1			30.06	78	78	76	"	" 2
10				NE by E	"	1			30.08	78	78	76	"	" 2
11				NE	"	2			30.08	78	78	76	"	" 4
Mid.				"	"	2			30.07	77	78	76	"	" 4

under the command of Commander A. S. Snow, U. S. Navy,

Monday October 20th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 am — Cloudy & pleasant. Light breeze from E&E.

D. McNair
Ensign U. S. N.

4 to 8 am — Cloudy, pleasant. Light airs from E&E. Barometer steady. Loosed sail to a bowline at 8.

J. T. Newton
Lieut. U. S. N.

8 to Mid. — Cloudy threatening rain last hour. Light airs from North shifting to West & back to North last hour. At 9.30 mustered at quarters & then exercised ships company as a battalion. Furled sail at 11.45. Received in Pay Department 200 lbs: butter, 600 lbs: coffee, 672 lbs: roast beef, 2020 lbs: sugar, 100 gills: beans: Received in Engineers' Department 2 Bbls: lime, 10 ft brass bolt, 3 lbs: chalk, 20 lbs: potash, 20 meters: lampwick, 208 lbs: waste, 5 gills turpentine, 5 lbs: plumbago, 20 lbs: iron.

F. M. Prime
Lieut. U. S. N.

Mid to 4 pm. — Fair, except a passing shower first hour. Light airs from NW first hour then gentle to light breeze from E&E. At 30 commenced to swing to flood half way round at end of watch. Received on board in Pay Dept 672 lbs: canned roast beef, 600 lbs coffee & 200 lbs: butter.

Jno. F. W. Holman
Lieut. U. S. N.

4 to 8 pm — Clear fine weather, light airs to light breeze from E&E. and gentle breeze from E&N E. Mustered at quarters & sent down light yards and masts.

W. Ray Mason Field.
Ensign U. S. N.

8 pm to Mid. — Fair. Light airs to light breeze from E&E. Commenced swinging to ebb at 9 and finished at 10.25.

Jno. F. W. Holman
Lieut U. S. N.

Examined and found to be correct.

H. K. Benson
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

Bahia, Brazil

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				NE	ESE	2			30.05	78	78	76		bc	cum	3	
2				NE by E	"	2			30.04	78	78	76		"	"	3	
3				ENE	"	2			30.03	78	78	76		"	"	4	
4				East	"	2			30.03	78	77	75		"	"	5	
5				South	"	2			30.02	78	77	75		"	"	5	
6				SSW	"	1			30.04	76	76	75		"	"	8	
7				SW	"	1			30.05	77	77	76		"	"	9	
8				SSW	North	1			30.06	77	77	76		"	"	8	
9				S W	NNW	1			30.07	77	78	77		"	cir. cum	5	
10				"	"	1			30.07	79	79	77		"	"	9	
11				ENE	ENE	1			30.07	79	79	76		"	"	8	
Noon.				"	East	2			30.06	79	79	78		"	"	5	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 327 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2096 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 167 " 405 "

P. M.												
1	NE by E	ESE	3	30.06	79	79	76	bc	cum	8		
2	"	"	3	30.04	79	80	76	"	"	8		
3	E by N	"	3	30.02	79	79	76	"	"	7		
4	"	"	3	30.01	79	79	76	"	"	7		
5	"	East	2	29.98	80	79	76	"	"	7		
6	ESE	"	2	29.98	79	78	76	"	"	6		
7	SE	"	2	29.98	79	79	77	"	"	6		
8	SSW	"	2	29.98	79	79	77	"	"	8		
9	S by W	"	2	30.01	78	79	77	"	"	6		
10	"	"	1	30.02	78	79	77	"	"	8		
11	East	"	1	30.01	79	79	77	"	"	8		
Mid.	NE	"	1	30.01	79	78	76	"	cir. cum	8		

under the command of Commander A. S. Snow, U. S. Navy,
Tuesday October 21st, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 a.m.
Partly cloudy, pleasant weather. Light breeze from E & E. Commenced swinging to flood at 2.45

F. W. Lemly
Lieut U. S. N.

4 to 8 a.m.
Bright and pleasant. Light airs from N. Barometer steady. The "Infanta Isabel" Spanish ~~gunboat~~ cruiser came in from Montevideo.

J. M. Newton
Lieut U. S. N.

8 am to Meris.
Clear fine weather. Variable light airs. Mustered at quarters and sent away all boats for exercise under sail & oars. The boats returned at 11.45. At 10 exchanged number with the U. S. F. S. Pensacola. Pensacola came to anchor ahead of us at 10.40. Pensacola signaled 5999, 2520. Hoisted sailing launch.

W. Ry Mason 2d
Ensign U. S. N.

Meris to 4 p.m.
Clear and pleasant. Gentle breeze from E & E. Exercised the fighting crew of steam launch at torpedoes and fired one exercise torpedo.

D. M. Stone
Ensign U. S. N.

4 to 8 p.m.
Clear and pleasant. Light breeze from East. Flood tide.

Guy H. Holcomb
Lieut. U. S. N.

8 p.m to Mid.
Clear and pleasant light airs from East. Barometer steady

J. T. Newton
Lieut. U. S. N.

Examined and found to be correct.

L. K. Lewis
Lieut; Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

Bahia, Brazil

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N E by E	East	2			30.01	79	78	76		bc	cir. cum	9	
2				N E	"	2			30.01	79	78	76		"	"	9	
3				N E by N	N N E	1			30.01	79	78	76		"	"	9	
4				"	North	1			30.01	78	78	76		"	"	10	
5				"	N E	1			29.99	78	78	76		"	cum	9	
6				"	"	1			30.00	78	78	76		"	"	9	
7				S W by S	"	1			30.00	78	78	77		"	"	9	
8				S W	"	2			30.02	77	78	77		"	"	7	
9				"	North	2			30.04	77	78	76		"	cir. cum	6	
10				"	"	3			30.04	78	78	77		"	"	4	
11				"	Calm	0			30.04	79	79	77		"	nimbus	1	
Noon.				S S E.	S S E	1			30.04	80	80	78		"	"	4	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 335 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1761 "

Coal consumed during the preceding 24 hours, tons 1165 lbs.

Coal remaining on hand at Noon, 166 " 1480 "

P. M.										
1	East	S S E	2	30.01	80	80	78	bc	cir. cum	4
2	N E	East	2	29.98	80	81	78	"	"	5
3	"	"	2	29.97	80	80	77	"	"	6
4	"	"	2	29.96	80	80	77	"	"	6
5	E N E	E N E	3	29.98	81	80	77	"	"	7
6	"	"	3	29.98	81	80	76	"	"	6
7	E by N	E x N	3	29.98	79	80	76	"	"	8
8	S E by S	"	3	29.99	81	81	78	"	"	8
9	S by W	N E	3	29.99	80	80	78	bcl	cum	9
10	S S W.	"	3	30.00	81	80	77	"	"	9
11	S E by W	"	3	30.00	81	80	78	bc	cir. cum	6
Mid.	N by E	North	3-5	30.01	81	79	77	"	"	1

under the command of Commander A. S. Snow, U. S. Navy,
Wednesday October 22nd, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 a.m. Clear fine weather, variable light airs.
W. Reg. Marmon Jr.
Ensign U. S. N.

4 to 8 a.m. Clear and pleasant. Light airs from N.E. English Pay Dept. 18¾ lbs of beef & vegetables. 95 lbs of bread.
D. Simmons
Ensign U. S. N.

8 a.m. to Meid. The Comdg. Officer ordered the following punishments: R. A. Wentz (Pvt), W. Larmody (Pvt), Jas. Quigley (Pvt) - dirty gloves - two hours extra duty. J. Gregory (1st Appr) Rim of hat turned down, - 6 hrs. extra duty.
Fdgr. F. W. Holman
Lieut. U. S. N.

Partly cloudy, pleasant weather. Light breeze from S.S.E. to East. Finished swinging to Ebb at 1. At 2 made Dbt. 4826 and furled sail. U. S. Consul left the flagship at 2.10 & received a salute of 7 guns.
F. A. Traut
Lieut. U. S. N.

4 to 8 p.m. Clear and pleasant. Barometer steady, gentle breeze from E.N.E. & E by N.
J. T. Newton
Lieut. U. S. N.

8 p.m to Mid. Fair, Gentle breeze from N.E, and Gentle to fresh breeze from North.
D. Simmons
Ensign U. S. N.

Examined and found to be correct.

G. K. Dunstan
Lieut. Navigator.

under the command of Commander A. S. Snow, U. S. Navy,
Wednesday October 22nd, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 a.m. Clear fine weather, variable light airs.

W. Ry Mason, Jr.
Ensign U. S. N.

4 to 8 a.m. Clear and pleasant. Light airs from N.E. English Gunboat "Flamingo" left harbor. Rec'd in Pay Dept. 118 3/4 lbs of beef & vegetables; 95 lbs of bread.

P. M. Symons
Ensign U. S. N.

8 a.m. to Merid. Fair and warm. Light to gentle breeze from North first part, Calm third hour, then light airs from S.S.E. & Flood. At 9.30 mustered at quarters and drilled according to routine. At 11. made signal out 5455. Answd. 904. Loosed sail.

Fdgr. T. W. Coleman
Lieut. U. S. N.

Merid. to 4 p.m. Partly cloudy pleasant weather. Light breeze from S.S.E. to East. Finished swinging to Ebb, at 1. At 2 made Dft. 4826 and furled sail. U. S. Consul left the flagship at 2.10 & received a sa. lute of 7 guns.

F. H. Newton
Lieut. U. S. N.

4 to 8 p.m. Clear and pleasant. Barometer steady, gentle breeze from E.N.E & E by N.

J. T. Newton
Lieut. U. S. N.

8 p.m. to Mid. Fair, Gentle breeze from N.E, and Gentle to fresh breeze from North.

P. M. Symons
Ensign U. S. N.

Examined and found to be correct.

A. K. Dunster
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

Bahia, Brazil.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				N.NE	North	3			30.01	81	78	76		bc	cir. cum	4	
2				"	"	3			30.00	80	78	76		oc	"	0	
3				"	"	3			30.00	80	78	76		bc	"	4	
4				"	NNE	2			30.00	80	78	76		"	"	8	
5				NE by N	NE	1			30.00	80	78	76		"	"	8	
6				NE.	"	1			30.03	79	77	75		"	strat	1	
7				ENE.	"	1			30.04	79	78	75		"	"	4	
8				S W by S	NW.	1			30.05	78	79	77		"	"	4	
9				SW.	NNW.	2			30.05	79	79	78		"	"	4	
10				SSW.	ENE	2			30.05	79	80	78		"	"	3	
11				SW	West	2			30.05	80	81	78		"	Nimb	4	
Noon.				WSW	"	1			30.05	81	81	79		"	"	5	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 344 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1420 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 166 " 1080 "

P. M.											
1	WSW	West	1	30.02	81	81	79	bc	nimb	5	
2	NE	ENE	1	30.00	81	82	79	"	cum. nimb	6	
3	"	"	3	29.98	81	81	79	"	"	4	
4	"	"	3	29.98	82	81	78	"	"	4	
5	"	East	3	29.97	80	80	78	"	cir. cum	4	
6	"	"	2	29.98	80	80	78	"	"	2	
7	ENE.	"	2	30.00	80	79	77	"	"	2	
8	SE	NE	2	30.01	81	80	78	"	"	2	
9	SSW	"	2	30.01	81	80	78	"	"	2	
10	S W by S	"	2	30.03	81	80	78	"	"	3	
11	"	"	2	30.03	81	81	78	"	"	3	
Mid.	"	"	2	30.03	80	79	77	"	"	2	

under the command of Commander A. S. Snow, U. S. Navy,
Thursday October 23d, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 a.m.
Fair, except second hour, when the sky was overcast a light shower falling at 2.30. Gentle to light breeze from North to NNE. Ebb.
Jas. F. W. Coleman
Lieut. U. S. N.

4 to 8 a.m.
Partly cloudy, pleasant weather. Light airs from NE shifting to NW. last hour. Swinging to flood between 7.10 & 8.
F. T. Wilcox
Lieut U. S. N.

8 a.m to Merid.
Sultry, warm overcast. Wind light & variable. Barometer steady. At 9.30 mustered at quarters. Drills as follows. 1st Div. Small arms. 2nd Div. Oral instruction. 3d Single Sticks. 4th Div. Single Sticks. Powder Div. Small arms. Rear Admiral W. P. McCann with staff visited the ship. Comdg. Officer of this ship visited officially the "Infanta Isabel" Commenced distilling.
J. Wharton
Lieut U. S. N.

Merid to 4 p.m.
Clear, fine weather & very hot. Light airs from West and gentle breeze from ENE. Painted first Cutter and scraped gunwale of 2nd Cutter. The German Consul and the U. S. Consul visited the ship. Commenced distilling.
W. Roy Mason Field
Ensign U. S. N.

4 to 8 p.m. Partially cloudy. Light to gentle breeze from the East & NE.
A. McIlvaine
Ensign U. S. N

8 p.m to Mid. Partly cloudy, pleasant. Light breeze from NE.
F. T. Wilcox
Lieut U. S. N.

Examined and found to be correct.

L. K. Dunn
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

Bahia, Brazil.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				NW	NE	1			30.03	80	80	77		bc	cir. nimb	1	
2				NE	"	1			30.02	80	80	77		"	"	1	
3				"	"	1			30.02	80	79	77		"	"	1	
4				NE by N	NNE	1			30.02	80	79	77		"	cum. nimb	1	
5				"	"	1			30.04	80	79	77		"	"	1	
6				NNE	"	1			30.04	80	79	76		"	"	1	
7				NE by N	"	1			30.07	79	79	76		"	"	1	
8				ESE	"	2			30.09	79	78	76		"	"	1	
9				SSW	East	2			30.11	79	79	77		oc	cir. cum	0	
10				"	"	2			30.11	79	79	77		"	"	0	
11				"	"	2			30.10	79	80	77		"	"	8	
Noon.				SWbyW	NNW	1			30.10	80	80	77		bc	"	4	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 338 gallons.

Water Distilled during the preceding 24 hours, 1078 "

Water remaining on hand fit for use at Noon, 2155 "

Coal consumed during the preceding 24 hours, 1 tons 2120 lbs.

Coal remaining on hand at Noon, 164 " 1200 "

P. M.												
1		WSW	WNW	2	30.05	81	81	78	bc	cir. cum	3	
2		EbyN	ESE	3	30.04	81	81	77	"	"	4	
3		NEbyE	ENE	3	30.02	81	81	77	"	"	3	
4		NE	ESE	3	30.02	80	81	77	"	"	3	
5		"	"	3	30.03	79	79	77	"	"	3	
6		"	"	2	30.03	79	79	77	"	"	3	
7		"	SbyW	2	30.03	81	80	77	"	"	3	
8		SE	"	2	30.03	80	80	78	"	"	3	
9		SSW.	SSE	1	30.09	80	80	78	"	"	8	
10		"	"	2	30.11	81	80	78	"	"	5	
11		"	"	2	30.12	81	80	78	"	"	4	
Mid.		"	ESE	2	30.10	80	80	78	bc./a.	cum. nimb	4	

under the command of Commander C. S. Sloan, U. S. Navy,

Friday October 24th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mids to 4 am Cloudy, light airs from N/E. Barometer steady.

J. N. Newton
Lieut U. S. N.

4 to 8 am Clear fine weather. Light airs to light breeze from NNE. Cleaned bilges. Loosed sails. Distilling. Rec'd in Pay Dept. fresh provisions for ships company.
8 to Mids.

W. Roy Mason Jill.
Ensign U. S. N.

Cloudy. Light breeze from East. At 9.30 Sound to general quarters. Time ready. 1st Div 3m 20s, 2nd Div 2m 50sec, 3d Div. 4m 30s, Marine Div 2m 53s, Powder Div 4m 6s, Engineers Div 2m 40 sec, Pay Dept 0m 45 sec, Surg Div 0m 55 sec, Marine Guard 1m 29 sec. Tested magazine and gun cotton lockers flood cocks and found them to be in good order. At 9.45 made numeral signals 4, 0 & 165. Tested life buoys. At 11.25 Flagship made sig. 4826. Called all hands and sounded well. At 11.30. Distilling. Tested life buoys.

Ensign U. S. N.

Mids to 4 pm Fair. Light to gentle breeze from WNW hauling to ESE. Commenced swinging to ebb at 1.15 & finished at 1.35. At 3.30 Flagships made signal 2984 and 8. Distilling.

Fredk. T. W. Holman
Lieut U. S. N.

4 to 8 pm. Partly cloudy, but pleasant. Light breeze from ESE to SWbyW.

F. M. Symons
Lieut U. S. N.

8 pm to Mid. Clear fine weather, passing showers last hour. Distilling. Gentle breeze from SSE and ESE.

W. Roy Mason Jill
Ensign U. S. N.

Examined and found to be correct.

W. K. Lamson
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,
Bahia, Brazil.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				SWbyS	SSW	2			30.07	82	79	78		o c r	nimb	0	
2				SW	"	2			30.08	81	79	78		"	"	0	
3				NEbyN	NNE	2			30.04	79	77	76		"	"	0	
4				NE	ENE	2			30.04	78	77	76		"	"	0	
5				NNE	SW	2			30.06	77	78	76		"	"	0	
6				"	"	2			30.08	76	77	76		"	"	0	
7				"	"	1			30.12	76	78	76		"	"	0	
8				NNW	"	1			30.12	76	77	76		"	"	0	
9				WSW.	"	1			30.13	77	76	75°		o c	cum str	0	
10				SW	"	1			30.13	78	77	75°		b c	"	4	
11				SWbyS	"	2			30.13	78	77	75°		"	"	4	
Noon.				SW	"	2			30.12	79	78	76		"	cir cum	6	

Course and distance made good since preceding noon by observations, knots. tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 348 gallons.

Water during the preceding 24 hours, 1320 "

Water remaining on hand fit for use at Noon, 2130 "

Coal consumed during the preceding 24 hours, 1 tons 1670 lbs.

Coal remaining on hand at Noon, 162 " 1770 "

Hour.																	
P. M.																	
1				SW	SSW.	2			30.10	79	80	77		b c	cir. cum	4	
2				"	"	2			30.08	80	79	77		"	"	4	
3				EbyS	SSE	3			30.06	80	79	77		"	"	5	
4				NE	"	3			30.06	78	79	77		"	"	5	
5				"	"	3			30.05	78	78	77		"	"	5	
6				"	"	2			30.07	77	78	76		"	"	5	
7				"	"	2			30.09	81	79	77		"	"	5	
8				"	"	2			30.11	81	80	78		"	"	5	
9				W	SSW	2			30.14	80	79	78		b c s	cum. nimb	1	
10				"	ENE	2			30.15	78	77	75°		o c s	"	0	
11				"	"	1			30.15	80	77	75°		b c s	"	3	
Mid.				"	"	1			30.14	78	77	75°		"	"	3	

under the command of Commander A. S. Snow, U. S. Navy,

Saturday October 25th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 am.

Overcast: Cloudy and rainy. Light breze from SSW to NNE. Distilling

D. M. Stone
Ensign U. S. N.

4 to 8 am.

Overcast: Barometer rising. Raining throughout watch. Light breze from SW. Stopped distilling

J. M. Newton
Lieut U. S. N.

8 am to Merid.

Cloudy but warm & pleasant. Light airs to light breze from SW. Rec'd in Pay Dept 576 lbs. fresh vegetables. At 9.45 made numeral signals 3. 0 and 163.

F. H. Newell
Lieut. U. S. N.

Merid to 4 pm

Fair and warm. Light to gentle breze from SSW & SSE. Moderate swell setting in from Seaward. At 2.30 commenced swinging to ebb and finished at 3.30 The Governor of Bahia visited the flagship and was saluted on leaving, with seventeen guns; the salute was returned from ashore. At 3.55 Flagship made signal 3918. Answd.

Flags F. W. Holman
Lieut. U. S. N.

4 to 8 pm.

Clear fine weather. Light breze from SSE.

W. Ray Mason Jr.
Ensign U. S. N.

8 pm to Mid.

Cloudy. Light breze from SSW. shifting to ENE at 9. Commenced swinging to flood at 8 and finished at 8.45

Flags F. W. Holman
Lieut. U. S. N.

Examined and found to be correct.

A. K. Clemson
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

Bahia, Brazil

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				SW by S	SSE	3			30.13	78	77	75		oc.	cum nimb	0	
2				S by W	"	3			30.13	79	77	75		"	"	0	
3				E by S	"	2			30.10	78	77	75		"	"	0	
4				NE	SE	3			30.10	77	77	75		"	"	0	
5				NE by N	NE	1			30.10	79	77	75		"	"	1	
6				NNE	SSE	1			30.13	78	78	76		ocd	"	0	
7				"	SW	1			30.16	76	77	76		ocp	"	0	
8				"	East	1			30.19	76	77	76		ocr	"	0	
9				WNW	WSW	2			30.22	76	77	76		ocp	"	0	
10				SW	SW	2			30.23	77	76	75		oc	nimb	1	
11				SW by S	"	2			30.23	77	75	74		oc	"	0	
Noon.				"	South	2			30.22	76	75	74		ocr	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon: Latitude by D. R. ° ' "

Longitude by D. R. ° ' "

Latitude by observations of ⊙ ° ' "

Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m. Latitude by ° ' "

Longitude by ° ' "

Position at 8 P. M. Latitude by ° ' "

Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 334 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2796 "

Coal consumed during the preceding 24 hours, tons 400 lbs.

Coal remaining on hand at Noon, 162 " 1370 "

P. M.												
1		SW	SW	3	30-18	78	76	75	ocr	nimb	0	
2		"	"	2	30-16	77	75	74	"	"	0	
3		"	"	1	30-15	77	76	75	"	cum. nimb	0	
4		East-	South	3	30-15	76	75	74	oc	"	0	
5		NE	SSE	2	30-16	77	75	74	ocr	nimb	0	
6		NE by N	"	2	30-16	78	76	75	"	"	0	
7		NE by E	South	3-6	30-18	77	77	75	ocqr	"	0	
8		East	"	3-6	30-18	76	76	75	"	"	0	
9		South	"	3-6	30-20	77	75	73	"	"	0	
10		SSW	"	3-6	30-22	77	75	71	"	"	0	
11		"	"	3-6	30-23	76	73	72	"	"	0	
Mid.		"	"	2-6	30-22	76	73	72	"	"	0	

under the command of Commander A. S. Snow, U. S. Navy,

Sunday October 26th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 am.

Overcast and cloudy. Light to gentle breeze from SSE to SE. Ships swinging to Ebb between 2.30 and 3.30. Rolling at times to moderate Sly swell.

F. Terrill
Lieut U. S. N.

4 to 8 am.

Overcast, raining at times. Barometer steady. Variable light airs. A Lamport & Holt Str. came in from Montevideo.

J Mawbo
Lieut. U. S. N.

8 am to Mrid.

Overcast, cloudy & rainy, light breeze from S to SW. Musters at quarters. Moderate swell coming in the harbor.

W. R. Mason Jeid.
Ensign U. S. N.

Mrid to 4 pm.

Overcast and cloudy with light rain. Light airs to gentle breeze from SW. The Brazilian Men of War "Lunabra" and "Aquidabah" came into the harbor. "Pensacola" fired a salute of 13 guns answered by the Aquidaban, which vessel then fired a salute of 21 guns. The Spanish Gunboat "Infanta Isabel" left for Spain.

C. H. Stone
Ensign U. S. N.

4 to 8 pm

Overcast, and raining. Light breze from SSE until sunset, after that the wind backed to SSE and blew in frequent stiff to fresh squalls. Moderate swell coming in from seaward. Ebb at end of watch, ships between wind and tide. Hoisted Steam Launch rove off cat and fish, unshipped awning stanchions and accomodation ladders.

Geo. W. Kalman
Lieut U. S. N.

8 pm to Midnight

Overcast, raining steadily. Wind from S in moderate squalls, but less frequent at end of watch. Veered to 45 fms. port chain at 10.30 the ship having dragged

J T Newton
Lieut U. S. N.

Examined and found to be correct.

G. W. Kalman
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

Bahia, Brazil

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1				SSW	South	3-6			30.18	75°	72	71		o c 2	nimb	0	
2				SSE	"	3-6			30.16	75°	74	72		"	"	0	
3				SE	"	3-6			30.16	75°	78	76		"	"	0	
4				NE by E	SSE	3-5			30.18	75°	73	72		"	"	0	
5				NE	"	2-4			30.19	74	74	72		o y r	cum nimb	0	
6				NE by N	"	2-3			30.20	74	73	72		"	"	0	
7				NE	"	2-4			30.21	74	73	72		"	"	0	
8				NE	"	2-4			30.23	74	73	72		"	"	0	
9				"	SW	4			30.24	75°	74	73		o c r	"	0	
10				"	South	4			30.25	75°	73	72		"	"	0	
11				"	"	4			30.25	76	76	71		o c d	"	0	
Noon.				"	"	4			30.24	76	77	72		o c	"	0	

Course and distance made good since preceding noon by observations, knots tenths.

Position at Noon:
- Latitude by D. R. ° ' "
- Longitude by D. R. ° ' "
- Latitude by observations of ⊙ ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ ° ' "

Position at 8 a. m.
- Latitude by ° ' "
- Longitude by ° ' "

Position at 8 P. M.
- Latitude by ° ' "
- Longitude by ° ' "

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 341 gallons.

Water Distilled during the preceding 24 hours, 72 "

Water remaining on hand fit for use at Noon, 2527 "

Coal consumed during the preceding 24 hours, tons 2160 lbs.

Coal remaining on hand at Noon, 161 " 1050 "

P. M.																	
1	2	4	6.00	SW½S	S by E	4	30.20	76	76	73		o c	nimb	0	M
2	4	0	4.8	S½W	"	3	30.19	77	77	73		"	"	0	"
3	4	4	8.0	South	"	3	30.19	77	77	74		"	"	0	"
4	4	0	14.5	"	"	3	30.19	77	77	74	77	"	"	0	"
5	4	4	19.2	"	"	3	30.18	77	77	74	77	"	"	0	"
6	4	1	23.0	"	"	3	30.20	78	77	74	77	"	"	0	"
7	5	0	27.9	"	"	3	30.20	78	78	74	77	b c	"	1	"
8	5	0	33.0	S½W	"	3	30.20	78	78	74	77	"	"	1	"
9	4	5	37.1	S⅛W	"	3	30.23	79	78	78	77	o c	cum. str	0	"
10	4	0	41.2	"	"	3	30.24	78	77	73	77	o c d	"	0	"
11	4	2	45.4	South	South	3	30.22	78	77	73	77	o c	"	0	"
Mid.	4	0	49.5	"	"	3	30.20	78	77	74	77	o c	"	0	"

under the command of Commander A. S. Snow, U. S. Navy,

Monday October 27th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 am.

Overcast, cloudy & rainy. Gentle to fresh breze from South. Ships rolling deeply when swinging to tide.

W Rg Mason Jr
Ensign U.S.N.

4 to 8 am.

Overcast. Raining up to end of watch. Wind blowing in moderate to stiff squalls from SSE squalls abating in strength and becoming less frequent towards end of watch. Finished swinging to Ebb at 4.30. Engaged in getting ships ready for sea. At 4.36 started fires under two boilers. At 7 banked fires: The following signals were made by the Flagship: at 6.53, 212; at 7; 4ff. 16, Neg. 9 and Position 15.; At 7.30 time signal. All answered.

Jno. T. Mc Johnson
Lieut U.S.N.

8 am to Mid.

Overcast & rainy clearing last hour. Moderate breze from SW to S. Finished preparations for sea. At 9.35 started fires under R. boiler, at 9.45 made signals numeral 5, 0 & 161, at 9.50 Flagship made 4892 & numeral 10. At 9.47 5073 & at 10.05 4890 & 251, at 10.10 254, At 9.45 hove in to 25 fms & at 10.15 got under way & lay to under steerage way, waiting for flagship to clear her anchor.

~~J.T.~~ Mc Johnson
Lieut U.S.N.

Mid to 4 pm.

Overcast, moderate to gentle breze from SSW & E. Moderate head sea. Steamed out of harbor at 12.30 maintaining position at double distance on stbd. quarter of Flagship. At 1 took departure Light house San Antonio (pc) SE½E. dist. ¾ mile. Ships head SW½S. Mc Manus (Engr 2nd) was made a prisoner at large to await trial by Court Martial. Hauled fires under one boiler. Steam under two boilers. At 2.16 Flagship set the course S. Under steam, position on stbd. quarter of Flagship double distance. Aver steam 70 lbs: aver vac 25

J. T. Mc Johnson
Lieut U.S.N.

4 to 6 pm.

Overcast & cloudy, moderate head sea & gentle breze from SSW & E. The Pensacola gradually increased her distance from us. Ships under two boilers: Course S. Aver. steam 70 lbs: Aver. revs. 37.5

W Rg Mason Jr
Ensign U.S.N.

6 to 8 pm.

Cloudy. Gentle breze from SSW & E. At 630 the moon showed through the clouds about 1½ hgts high. At 6 started fires under a third boiler. At 7 changed course to S½W. From 7.20 to 8 steering to take our position. At 8 Flagship

lbs: Av. revs: 41.2

Jno. T. Mc Johnson
Lieut U.S.N.

8 pm to Mid.

Cloudy with light drizzle second hour. Gentle breze from SSW & E. to South. At midnight Flagship was one point abaft port beam. Aver. steam 70 lbs: Aver. revs: 38.2

~~J. T.~~ Mc Johnson
Lieut U.S.N.

A. K. Lewis
Lieut. Navigator.

under the command of Commander A. S. Snow, U. S. Navy,

Monday October 27th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 am.

Overcast, cloudy & rainy. Gentle to fresh breze from South. Ship rolling deeply when swinging to tide.

W Rg Mason Jr
Ensign U.S.N.

4 to 8 am.

Overcast. Raining up to end of watch. Wind blowing in moderate to stiff squalls from SSE squalls abating in strength and becoming less frequent towards end of watch. Finished swinging to Ebb at 4.30. Engaged in getting ship ready for sea. At 4.36 started fires under two boilers. At 7 banked fires. The following signals were made by the Flagship: at 6.53, 221; at 7; Aff. 16, Mag. 9 also Position 15.; At 7.30 time signal. All answered.

Geo. F. W. Holman
Lieut U.S.N.

8 am to Merid.

Overcast & rainy, clearing last hour. Moderate breze from SW to S. Finished preparations for sea. At 9.35 started fires under R. boiler, at 9.45 made signals numeral 5, 0 & 161, at 9.50 Flagship made 4892 & numeral 10. At 9.47 5073 & at 10.05 4890 & 251, at 10.10 254, At 9.45 hove in to 25 fms & at 10.15 got under way & lay to under steerage way, waiting for flagship to clear her anchor.

F. W. Brewer
Lieut U.S.N.

Merid to 4 pm.

Overcast, moderate to gentle breze from S by E. Moderate head sea. Steamed out of harbor at 1230 maintaining position at double distance on stbd. quarter of Flagship. At 1 took departure Light house San Antonio (pc) SE½E. dist 3/4 mile. Ships head SW½S. Mc Manus (Engr 2d Class) was made a prisoner at large to await trial by Court Martial. Hauled fires under one boiler. Steam under two boilers. At 2.16 Flagship set the course S. Under steam, position on stbd. quarter of Flagship double Distance. Aver steam 70 lbs: aver revs 75

J. T. Newton
Lieut. U.S.N.

4 to 6 pm.

Overcast & cloudy, moderate head sea & gentle breze from S by E. The Pensacola gradually increased her distance from us. Ships under two boilers: Course S. Aver. steam 70 lbs: Aver. revs. 75

W Rg Mason Jr
Ensign U.S.N.

6 to 8 pm.

Cloudy. Gentle breze from S by E. At 630 the moon showed through the clouds about 1/2 hgt. high. At 6 started fires under a third boiler. At 7 changed Course to S 1/8 W. From 7.20 to 8 steering to take our position. At 8 Flagship was one point forward of port beam. Av. steam 70 lbs: Av. revs. 71.2

Geo. F. W. Holman
Lieut U.S.N.

Examined and found to be correct.

A. K. Lemly
Lieut. Navigator.

LOG of the UNITED STATES Steamer Essex, 3d Rate,

At-sea, making passage from Bahia to Rio Janeiro, Brazil

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	4	0	57.2	South	S by E	4			30.19	77	75	73	77	o c	nimb	0	M
2	5	0	55.5	S 1/8 E.	"	4			30.15	76	74	72	77	"	"	0	"
3	5	2	60.0	S 1/4 E.	"	3			30.14	77	75	72	77	"	"	0	"
4	5	2	65.2	"	"	3			30.14	77	76	73	77	"	"	0	"
5	4	7	69.9	"	"	3			30.14	76	75	72	77	"	"	0	"
6	5	6	75.5	"	"	3			30.17	76	76	72	77	"	"	0	"
7	5	0	80.5	"	"	3			30.17	76	76	72	77	b c	cum. str.	1	"
8			86.2	"	"	3			30.17	78	77	73	77	"	"	2	"
9	5	2	91.5	S 1/4 W	South	2			30.22	78	78	73	77	"	cir. cum	2	"
10			97.9	S 1/8 W	"	2			30.23	78	78	73	77	"	"	8	"
11	5	4	103.7	"	"	2			30.23	78	77	73	77	"	"	7	"
Noon.	3	9	107.3	South	"	2			30.21	78	77	74	77	"	"	7	4

Course and distance made good since preceding noon by observations, S 13° E 98 knots tenths.

Position at Noon:
- Latitude by D. R. S 14 ° 44' 38"
- Longitude by D. R. W 38 ° 15' 48"
- Latitude by observations of ⊙ S 14 ° 39' 07"
- Longitude by chronometer from Forenoon Observations of ⊙ W 38 ° 12' 00"

Position at 8 a. m.
- Latitude by Mer alt-☉ S 14 ° 18' 07"
- Longitude by ☾ chs W 38 ° 16' 24"

Position at 8 P. M.
- Latitude by Mer alt-☉ S 15 ° 28' 43"
- Longitude by P.M. ☾ chs. W 38 ° 04' 24"

Current during the time, 0 knots 3 tenths per hour, setting to the N 33° E

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Water expended during the preceding 24 hours, 329 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 2198 "

Coal consumed during the preceding 24 hours, 9 tons 440 lbs.

Coal remaining on hand at Noon, 152 " 650 "

P. M.																
1	6	3	113.6	S 1/8 W	South	3			30.14	79	79	74	77	o c	cum. str.	0	M
2	6	5	119.9	South	"	3			30.12	80	79	74	77	"	"	0	"
3	6	0	125.9	"	"	2			30.10	79	79	74	77	b c	"	2	"
4	6	1	132.0	"	"	3			30.08	79	79	73	77	"	"	2	"
5	6	8	138.0	S 1/8 E	"	3			30.08	78	77	74	77	"	"	4	"
6	6	0	144.9	South	"	3			30.10	77	77	75	77	"	"	3	"
7	6	4	151.4	S 1/8 E	"	3			30.09	77	76	75	77	o-c	nimb	0	"
8	7	6	158.0	South	"	3			30.10	76	77	75	77	b c	"	4	"
9	7	4	164.6	"	S by E	2-3			30.13	77	77	75	77	b c p	"	3	"
10	7	4	172.0	"	S E by S	3			30.13	77	77	75	77	"	"	1	"
11	7	8	179.6	"	S E	3			30.13	76	75	74	77	b c d	cum. nimb	6	"
Mid.	8	4	187.3	S 1/8 W.	"	3-4			30.10	76	75	74	77	b c p	"	6	"

under the command of Commander A. Snow, U. S. Navy,

Tuesday October 28th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 am

8 am to Merid.

The Commanding Officer ordered the following punishments:
O.S.F. Linnehan (S.Cook) Drunk on duty on board ship. - Reduced to 4th Class: 3 months: ½ Monthly Money and not to be recommended for Honor. Discharge W. Fellowes (Bayman) Not obeying orders of senior and using obscene language towards him. - Reduced to 4th Class: 3 months: ½ Monthly Money. B. Bertelsen (Sea) and Fred. Vogel (OS) Skylarking on Quarterdeck. - To hold reel in their watch for 3 days. L. W. Sopp. (Ord Appl) No shoes on in boat. - 4 hrs: extra duty. M. J. Ober (Drummer) - Absent from quarters - 4 hrs night watch on life buoys for one week. P. O'Brien (Pvt) and W. H. Larman (Pvt) Dirty gloves at quarters - each 2 hours extra duty.

Mid to 4 pm

Merid to 4 pm.

By order of the Comdg. Officer, on recommendation of a Board of Officers appointed for that purpose, the change of rating of the following named Apprentices was made, viz:—
F. F. Applegate, P. M. Cannon, H. E. Lloyd, W. Mendel, E. J. Molinero, H. Rogen, T. F. Sullivan, H. H. Walden H. Zeitler from 1st cl Appl. to Sea Appl. 2nd class.

4 pm to Mid.

Generally pleasant, with a few occasional passing showers & drizzle. Gentle to moderate breeze from S by E. backing to S/E. Steering a course South with such slight changes as were necessary to keep position. At 9.30 set jib and at 10 set fl. jib, main trysail & spanker. At 11 fl. jibboom carried away at outer shears. Unbent fl. jib and rigged in fl. jib boom. Aver. steam 70 lbs; Aver revs 44.

Danl T. McSalmon
Lieut U.S.N.

rate sea and breeze from double distance. Course to steam 70 lbs.

" J.T. Newton
Lieut U.S.N.

from S by E. Clearing in position on sta.
steam 70 Aver. revs 44.5
W Roy Thrasher field
Ensign U.S.N.

South. Steering a re necessary to keep posit quarters and drilled as volvers: Punishments as per M. Carver (S Bugler) was trial for disobedience of order await trial by Court Martia watch were in position by us to the Flagship:- nal 14. 39; numeral 38. 12;

Danl T. McSalmon
Lieut. U.S.N.

breeze from South. Moderate ips. The following signals: 012, 6811, 0981, 7352, 8433. s by Comdr. A. S. Snow steam 70 lbs: aver. revs 44.3

~~Talbot~~
Lieut U.S.N.

swell from S.E. Course S/8 E order to maintain position

J. T. Newton
Lieut. U.S.N.

Course S/8 E. Keeping on e 70 lbs; Aver. revs. 43.1
W Roy Thrasher field
Ensign U.S.N.

H. K. Lewis
Lieut. Navigator.

under the command of Commander A. Snow, U. S. Navy,

Tuesday October 28th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 am.

Overcast, barometer falling. Moderate sea and breeze from SSby E. Steam alone. Flagship SSW port bow. double distance. Course was varied to maintain distance. Av. revs. 37.1 Av steam 70 lbs.

J.T. Newton
Lieut U.S.N.

4 to 8 AM.

Overcast and cloudy, gentle breeze from SSby E. Clearing latter part of watch. Course S¼E. Keeping in position on SBS. quarter of Flagship, under steam alone Ave steam 70 Aver. revs 115

W Roy Mason Field
Ensign U.S.N.

8 am to Merid.

Clearing weather. Light breeze from South. Steering a course SbyW with such slight alterations as were necessary to keep position on the Flagships quarter. At 9.30 mustered at quarters and drilled as follows 1st, 2nd & 3d Div. Great Guns. Nav. Div. revolvers. Punishments as per appended list were adjudged by the Comdg. Officer. E.M. Carver (Bugler) was put under sentrys charge to await trial by Court-Martial for disobedience of orders. F.A. Jones (Pvt) was put under sentrys charge to await trial by Court Martial for positively refusing to obey orders. At end of watch were in position on the Flagship. The following signals were made by us to the Flagship:- 245: numeral 8; numeral 0; numeral 152;- 650 At 12 numeral 14. 39; numeral 38. 12; All answered. Aver. steam 68½ lbs; aver. revs 40.

J. Hoge Tyler
Lieut. U.S.N.

Merid to 4 pm.

Cloudy pleasant weather. Gentle breeze from South. Moderate sea. At 4 ship in position on SBS quarter of Flagship. The following signals were made by Flagship. Tel. 5084, 7846, 6727, 7288, 2012, 6811, 0981, 7852, 8433. Delivered charge & specification of charge preferred by Comdr. A.S. Snow U.S.N. against Private F.A. Jones U.S.M.C. Aver. steam 70 lbs; aver. revs 41.3

~~J.T. Newton~~
Lieut U.S.N.

4 to 6 pm.

Overcast, gentle breeze from S. Moderate swell from SE. Course SbyE and S. Speed very variable from 35 to 57 turns in order to maintain position Aver. steam 70 lbs; aver. revs 43.

J.T. Newton
Lieut. U.S.N.

6 to 8 pm.

Overcast & drizzling. Gentle breeze from SE. Course S¼E. Keeping on SBS. quarter of Pensacola. Under steam. Aver. steam 70 lbs; Aver. revs 43.1

W Roy Mason Field
Ensign U.S.N.

Examined and found to be correct.

M.K. Lewis
Lieut., Navigator.

LOG of the UNITED STATES *Steamer Essex*, 3d Rate,

At sea, making passage from Bahia to Rio Janeiro, Brazil.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	6	7	194.0	S ¼ W	S E.	3			30.06	77	75°	74	77	bc	cum st.	3	M
2	6	8	200.8	South	"	3			30.05	77	76°	74	77	"	"	5	"
3	6	7	207.5	S ⅛ W	"	3			30.02	77	75°	74	76	"	"	6	"
4	6	9	214.4	South	E S E	3			30.00	77	75°	74	75°	"	"	6	"
5	6	6	221.0	"	E N E	3			30.02	76	75°	74	76	"	"	8	"
6	7	5	228.5	South ¼ E.	"	3			30.05	76	76	74	76	"	"	6	"
7	7	0	235.0	South	N E	3			30.05	77	76	74	76	"	"	4	"
8	7	2	243.2	"	"	3			30.07	77	76	75°	77	"	"	4	"
9	8	0	251.2	"	"	3			30.10	78	76	75°	77	"	"	3	"
10	—	—	—	"	"	3			30.08	77	77	76	77	"	"	4	"
11	6	4	265.0	S ¼ W	"	3			30.07	78	78	76	77	"	cum. nimb	4	"
Noon.	7	7	272.0	S.	"	4			30.06	78	77	75°	77	"	cir. cum	5	"

Course and distance made good since preceding noon by observations, S 9° E 166 knots. tenths.

Position at Noon:
- Latitude by D. R. — S 17 ° 17 ′ 25 ″
- Longitude by D. R. — W 37 ° 42 ′ 18 ″
- Latitude by observations of ⊙ — S 17 ° 23 ′ 04 ″
- Longitude by chronometer from Forenoon Observations of ⊙ — W 37 ° 44 ′ 34 ″

Position at 8 a. m.
- Latitude by Mer alt ☉ — S 16 ° 57 ′ 16 ″
- Longitude by Chron. — W 37 ° 49 ′ 30 ″

Position at 8 P. M.
- Latitude by Mer alt ☉ — S 18 ° 13 ′ 28 ″
- Longitude by P.M. Chron. — W 37 ° 49 ′ 18 ″

Current during the time, 0 knots 2 tenths per hour, setting to the S 24° W

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head — ° ′ ″

Variation of the Compass by Amplitude ⊙ observed at Sunset, " — ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " — ° ′ ″

Variation of the Compass by Azimuth ⊙ observed at " — ° ′ ″

Water expended during the preceding 24 hours, 338 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at Noon, 1860 "

Coal consumed during the preceding 24 hours, 9 tons 130 lbs.

Coal remaining on hand at Noon, 143 " 520 "

P. M.																	
1	7	2	279.2	S ¾ W.	N by E.	3			30.04	78	77	76	77	bc	cir. cum.	6	M
2	6	5	285.3	S ¼ W.	"	3			30.04	79	80	77	77	bc/o	"	6	"
3	6	0	291.0	"	North	3			30.00	80	79	77	77	"	cum. nimb.	3	"
4	6	0	297.1	"	"	3			29.93	79	79	77	76	"	"	3	"
5	6	0	303.0	"	N by E.	4			29.93	79	79	76	76	bc	× nimb cir cum	5	"
6	6	6	309.6	"	"	4			29.93	79	78	76	76	"	"	5	"
7	6	6	316.2	"	"	4			29.95	81	79	77	76	"	"	4	"
8	6	4	322.1	"	N E by N	4			29.98	82	79	77	76	"	"	4	"
9	6	6	328.5	"	"	3			30.02	80	78	76	75°	"	"	4	"
10	7	2	335.5	"	"	3			30.01	82	78	76	75°	"	"	4	"
11	7	2	342.5	"	N N E.	4			30.02	82	77	76	75°	"	"	4	"
Mid.	7	2	349.5	"	"	4			30.02	82	77	76	75°	0	cir. cum.	0	"

under the command of Commander A. S. Snow, U. S. Navy,
Wednesday October 29th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 am.

Partly cloudy, with bright moonlight. Gentle breeze from SE to ESE. Moderate SE'ly sea & swell. At 4 ships in position on stbd. quarter of flagship unders steam & jib, foretopmast staysail, main trysail & spanker. Aver. steam 70 lbs; Aver: revs 39.6

~~F.H. Wilcox~~
Lieut. U.S.N.

4 to 8 am.

Clear and pleasant. Barometer rising. Gentle breeze from NE & ENE. changing course as necessary to retain position. Aver steam 70 lbs; Aver. revs. 41.6.

J. Newton
Lieut. U.S.N.

8 AM to Midn.

Clear fine weather, gentle breeze from NE. At 9.00 made all plain sail except ft. jib. Prepared to bank fires in obedience to signal. At 9.45 banked fires & uncoupled. The rudder chains jambed & the ships had to be brought by the wind, while damage was repaired. A.S.G. Martial convened on board at 10.20 of which Lt. J.B. Blocker U.S.N. was senior member, for the trial of Pvt. H. A. Jones & such other persons as may be legally brought before it; The Court adjourned immediately to allow the accused to consult counsel. At 10.30 brought ships on her course & signalled to Pensacola bar 3406. Made routine signals at 9.45 of the Amount of Coal; No. of Sick & No. of Absentees & at 12.00 made Latitude & Longitude Flagships made signals: Prep. 2121, 5521, & 2121. Began distilling at 1030. Aver. steam 70 Aver. revs: 42.2

W. Rx Mason Field
Ensign U.S.N.

Midn to 4 pm.

Mostly cloudy with passing showers: Gentle breeze from N by E and North. At 12.45 took in fore & aft sail except jib. Court convened at 1.10 PM.

D. McNair
Ensign U.S.N.

4 to 6 pm.

Partly cloudy, pleasant weather, gentle to moderate breeze from N by E. Moderate sea & swell from North. Court adjourned at 4.28 until 10.30 am tomorrow. At 6 ships on stbd. quarter of flagships about ½ mile distant: Fires banked Distilling.

~~F.H. Wilcox~~
Lieut. U.S.N.

6 to 8 pm.

Cloudy & pleasant: Barometer rising. Moderate breeze from N. by E. and NE by N. Flagships on port bow. Fires banked. Distilling.

J. Newton
Lieut. U.S.N.

8 pm to Mid.

Clear, then clouding over, gentle breeze from NE by N. and NNE. Square sails to royals. Keeping on stbd. quarter of flagship. Fires banked Moon rose at 8.00 Course S by W. Distilling.

W Rx Mason Field
Ensign U.S.N.

Examined and found to be correct.

L. K. Jones
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

At sea, making passage from Bahia to Rio Janeiro, Brazil.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	6	5	355.6	S by W ½ W	NNE.	3-4			30.03	80	78	76	76	o c l	cum. nimb	0	M
2	5	8	361.5	S by W	"	3-4			30.00	80	78	76	76	"	"	0	"
3	5	8	366.5	"	"	3			29.99	80	77	76	76	o c r	"	0	"
4	6	0	372.5	S ⅞ W	"	3			29.96	79	77	76	76	"	"	0	"
5	7	2	379.7	"	"	4			29.93	79	77	76	76	o c	cum. str	0	"
6	7	5	387.2	"	"	4			29.94	78	77	76	76	b c	"	1	"
7	7	7	394.9	"	"	5			29.96	78	77	76	76	o c	"	0	"
8	7	2	402.1	"	"	5			29.95	79	77	76	76	"	"	0	"
9	7	2	409.3	"	"	5			29.98	79	77	76	76	"	"	0	"
10	7	9	417.2	S W.	North	5			29.99	79	77	76	76	b c	cir. cum	4	"
11	8	1	425.3	"	"	5			29.99	79	77	75	76	"	-	5	"
Noon.	7	6	433.0	"	"	5			29.98	78	77	75	76	"	"	5	"

Course and distance made good since preceding noon by observations, S 3° W 169 knots. tenths.

Position at Noon:
- Latitude by D. R. S 20 ° 00' 40"
- Longitude by D. R. W 38 ° 03' 13"
- Latitude by observations of ⊙ S 20 ° 11' 47"
- Longitude by chronometer from Forenoon Observations of ⊙ W 37 ° 53' 22"

Position at 8 a. m.:
- Latitude by D.R. S 19 ° 33' 32"
- Longitude by D.R. W 37 ° 51' 06"

Position at 8 P. M.:
- Latitude by Mer alt ⊙ S 20 ° 43' 11"
- Longitude by P.M. Obs. W 38 ° 22' 54"

Current during the time, 0 knots 5 tenths per hour, setting to the S 40° E

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " ° ' "

Variation of the Compass by Azimuth ⊙ observed at " ° ' "

Variation of the Compass by Azimuth ⊙ observed at 4-17 P.m. " S W × W NW 9 ° 55' "

Water expended during the preceding 24 hours, 329 gallons.

Water Distilled during the preceding 24 hours, 964 "

Water remaining on hand fit for use at Noon, 2415 "

Coal consumed during the preceding 24 hours, 1 tons 1760 lbs.

Coal remaining on hand at Noon, 141 " 1000 "

P. M.																	
1	7	6	440.5	S W ⅞ W	NNE	5			29.97	78	77	75	76	b c	cir. cum	2	M
2	7	6	448.2	"	"	5			29.93	78	77	75	77	"	"	2	"
3	6	4	455.5	"	"	4			29.90	78	76	75	77	"	"	2	"
4	6	3	462.1	"	"	4			29.92	79	76	75	77	"	"	2	"
5	5	8	468.1	S W by W	NNW	3			29.92	77	77	77	77	o c g	cum. nimb	0	"
6	5	4	473.3	"	NW.	3			29.96	77	76	75	77	"	"	0	"
7	2	5	474.3	East	South-	1-3			29.98	76	74	73	77	o c. g	"	0	"
8	7	4	481.7	S W ¾ W	"	3-5			29.99	79	74	73	77	"	"	0	"
9	7	8	489.5	S W by W	S by S	3			30.00	78	73	72	77	o c d	"	0	"
10	7	7	497.2	"	"	3			30.02	77	73	72	77	o d l	"	0	"
11	8	1	505.3	"	"	3			30.03	76	72	71	76	"	"	0	"
Mid.	8	5	513.8	"	"	4			30.01	77	73	71	75	"	"	0	"

under the command of Commander A. S. Snow, U. S. Navy,

Thursday October 30th, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 am.

Overcast. Moderate to gentle breeze from NNE. Heat-lightning to the West and SW until 2. Rain from 2 until 3.15. Steering a course SbyW with necessary changes to keep position. At 2 clewed down the royals & hoisted them again at 2.30. At 4.00 flagship was three points on the port bow. Distilling.

Jno F Coleman
Lieut U.S.N.

4 to 8 am.

Overcast & cloudy. Moderate to stiff breeze from NNE. Moderate sea from NNE. Fires banked. Distilling. At 8 flagship two points on port bow distant 1/2 mile. The following uniform signals were made at 7. Off. 16 Neg 10 & Posn 15

F.T. Arnim
Lieut. U.S.N.

8 am to Meridn.

Bright & pleasant. Barometer steady. Fresh breeze from N. At 9.30 mustered at quarters. At 10.30 the summary court convened for the trials of F.A. Jones (Pvt M) and others. By order of Comdg. Officer F.A. Jones (Pvt) was released, and to remain a prisoner at-large until arrival in port. At 9.40 Pensacola made 180. changed course to SW. At 11.30 Summary Court adjourned till 1 PM.

J. J. Newton
Lieut. U.S.N.

Meridn to 4 pm.

Clear fine weather, stiff to moderate breeze from NNE. At 1.00 the Court convened. Set main topmast staysail. Distilling. Course SW by W. Plain sail to royals; except mainsail, flying jib & spanker. Keeping in position as well as possible.

W Roy Mason Jr
Ensign U.S.N.

4 to 6 pm.

Overcast. Gloomy to the Sd & Wd Gentle breezes from NNE. backing to NW. Steering a course SW by W with such changes as were necessary to keep position. Distilling. At 5 o'clock the Summary Court Martial adjourned until ten o'clock am. to-morrow. At six the flagship was 2 1/2 points on port bow.

Jno F Coleman
Lieut. U.S.N.

6 to 8 pm.

Overcast, rainy & squally. From 6 to 6.30 winds shifted rapidly from NW to SSE. Steady in direction from South from 6.30 to 8, but gentle to fresh in force. Rain from 6.45 to 7.30. Ran ship off to SE 3/4 N. At 8. flagship two points on port bow distant about 1/2 mile. At 6.15 took in mn. topmast staysail, 6.20 furled topgallt. sails & royals. Spread fires at 6.30. At 7. furled topsails & foresail & headed down head sails & set course SW by W. under steam.

F.T. Arnim
Lieut. U.S.N.

8 pm to Midn.

Overcast, occasional drizzle. Barometer steady. Gentle breeze from SE by S. Set fore & aft sails. Lightning to Nd & Wd. Ahead steaming 70, Astronomical 45.

J.N. Newton
Lieut.-U.S.N.

Examined and found to be correct.

G. K. Dunn
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3d Rate,

A-sea, making passage from Bahia to Rio Janeiro, Brazil

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
A. M.																	
1	8	0	522.2	SW by W	SE by S	4			30.01	77	73	71	75°	oc	nimb	0	M
2	8	3	530.5	"	"	4			30.01	77	73	71	75°	bc	cir cum. nimb	3	"
3	8	2	538.5	"	SE	3			29.99	77	73	71	75°	"	"	3	"
4	8	2	546.2	"	"	3			29.99	77	73	77	75°	"	"	3	"
5	7	5°	553.8	"	"	2			30.01	76	73	72	76°	"	"	3	"
6	7	6	561.4	"	"	3			30.02	75°	73	72	75°	"	nimb	2	"
7	8	4	569.8	"	"	3			30.03	74	73	71	75°	"	cir cum. nimb	8	"
8	8	0	577.6	SSW 1/8 W	"	3			30.06	75°	73	72	75°	"	cum. nimb	2	"
9	7	6	585.2	SW by W	"	3			30.07	75°	73	72	75°	oc	cum. str.	0	SE.
10	7	6	593.0	"	"	3			30.07	75°	74	72	75°	bc	"	3	"
11	7	4	600.4	"	"	3			30.07	75°	73	72	75°	oc	"	0	"
Noon.	9	1	609.5°	"	"	2			30.04	74	73	72	75°	bc	"	2	"

Course and distance made good since preceding noon by observations, S 47° W 170 knots. tenths.

Position at Noon:
- Latitude by D. R. — S 22 ° 08' 53"
- Longitude by D. R. — W 40 ° 08' 58"
- Latitude by observations of ⊙ — ° ' "
- Longitude by chronometer from Forenoon Observations of ⊙ — W. 40 °06' 45"

Position at 8 a. m.
- Latitude by D.R. — S 21 °46' 41"
- Longitude by obs — W 39 °42' 00"

Position at 8 P. M.
- Latitude by D.R. — S 22 °38' 05"
- Longitude by P.M. obs. — W 41 °03' 30"

Current during the time, knots tenths per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise, ship's head — ° ' "

Variation of the Compass by Amplitude ⊙ observed at Sunset, " — ° ' "

Variation of the Compass by Azimuth ⊙ observed at " — ° ' "

Variation of the Compass by Azimuth ⊙ observed at " — ° ' "

Water expended during the preceding 24 hours, 337 gallons.

Water Distilled during the preceding 24 hours, 412 "

Water remaining on hand fit for use at Noon, 2340 "

Coal consumed during the preceding 24 hours, 7 tons 650 lbs.

Coal remaining on hand at Noon, 134 " 350 "

P. M.																
1	2/4	9/6	617.0	SW by W W SW 3/8 W	NNE	1			30.05°	76	75	73	75°	bc	cum. str.	2	SE
2	7	4	624.4	"	"	1			30.04	76	74	73	75°	oc	"	0	"
3	8	1	632.5°	"	"	2			30.02	76	74	73	75°	"	"	0	"
4	7	7	640.2	"	"	2			30.02	76	74	73	75°	"	"	0	"
5	8	0	648.	"	SE	3			30.01	76	73	72	75°	bc	"	2	"
6	7	6	655.5°	"	"	2			30.03	75°	73	72	75°	"	cir. cum nimb	4	"
7	7	2	663.5°	W SW W 1/4 W	"	2			30.02	75°	73	72	75°	"	cir. cum	5°	S
8	7	4	670.8	"	"	2			30.07	77	73	72	75°	"	"	9	"
9	8	0	678.7	"	E by S	2			30.07	78	73	72	75°	"	"	9	"
10	3/8	4	684.10 686.9	W SW 3/4 W.	"	2			30.07	78	73	72	75°	"	"	9	"
11	8	1	695.0	"	"	2			30.07	78	73	72	75°	"	"	4	"
Mid.	8	2	703.2	"	"	2			30.07	78	73	72	75°	"	"	2	"

under the command of Commander A. S. Snow, U. S. Navy,

Friday October 31st, 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 a.m.

Fair & pleasant. Moderate breeze from SE by S & gentle breeze from SE. Course SW by W. Keeping under steam & fore & aft sails on st bd. quarter of flagship. Aver. steam 70 lbs. Aver. revs. 42.8

W Rx Mason Field
Ensign U.S.N.

4 a.m. to 8 a.m.

Cloudy. Gentle breeze from SE. Steering a course SW by W. with necessary changes to keep position. At 7 flagship made recog. signals. At end of watch flagship was three points on the port bow. Av. steam 70 lbs; Aver. revs: 43.6.

Hugh McKolman
Lieut. U.S.N.

8 a.m. to Mids.

Cloudy. Gentle to light breeze from SE. Smooth sea, with long NE'ly Swell. At 9.15 took in M & mizz. top mast stay sails & set them again at 10. and took in all fore & aft sails at 10.30. At 10.45 Loosed sail to dry. Following signals made by this ship during the watch. Numerals 4.0 & 134. Lat: 37°55' & noon posn 40-46 N. At 9.30 went to General Quarters. 1st Div ready in 5m 10s, 2nd Div in 6m 15s, 3rd Div in 4m 10s, Nav. Div in 3m 40s, Comms. Div in 5m 18 sec, Engr Div in 2m 40s, Pay D. in 0m 42s, Surg Div in 0m 40s & Marine Guard in 3m 0s. Ships in position at end of watch. Steam 70 lbs. Revs. 44.

The Comdg. Officer adjudged the following punishments: Jos: Dingler (Ldr) Not scrubbing hammock when ordered. — 4 anchor watches in port. Patk. Dwyer (Ldr) Shirking 4 anchor watches in port.

~~H. Harris~~
Lieut. U.S.N.

Mids to 4 p.m.

Cloudy or overcast, barometer steady. Light airs to light breeze from NNE. Smooth sea long swell from SSW. Furled sail at 1. Flagship on port bow. Steam alone. Aver steam 70 lbs; aver revs: 46. Summary Court met at 1 for the trial of E. M. Carver (Bugler).

J. T Newton
Lieut. U.S.N.

4 to 6 p.m.

Clear fine weather, gentle breeze from SE. Under steam alone. Course WSW 3/8 W (pse) Keeping position on st bd quarter of flagship. The S.C.M. adjourned to await the action of the reviewing authority. Very heavy swell, greatest roll 25° to port. Av. steam 70 lbs, aver. revs: 43.7

W Rx Mason Field
Ensign U.S.N.

6 to 8 p.m.

Clear & pleasant. Bright starlight. Light breeze from SE. a long swell from the SE moderating rapidly toward end of watch. Ships rolling deeply in the swell. Steering a course WSW 1/4 W. At end of watch flagship was 3/2 points on port bow. Aver. steam 70 lbs; aver. revs: 45.

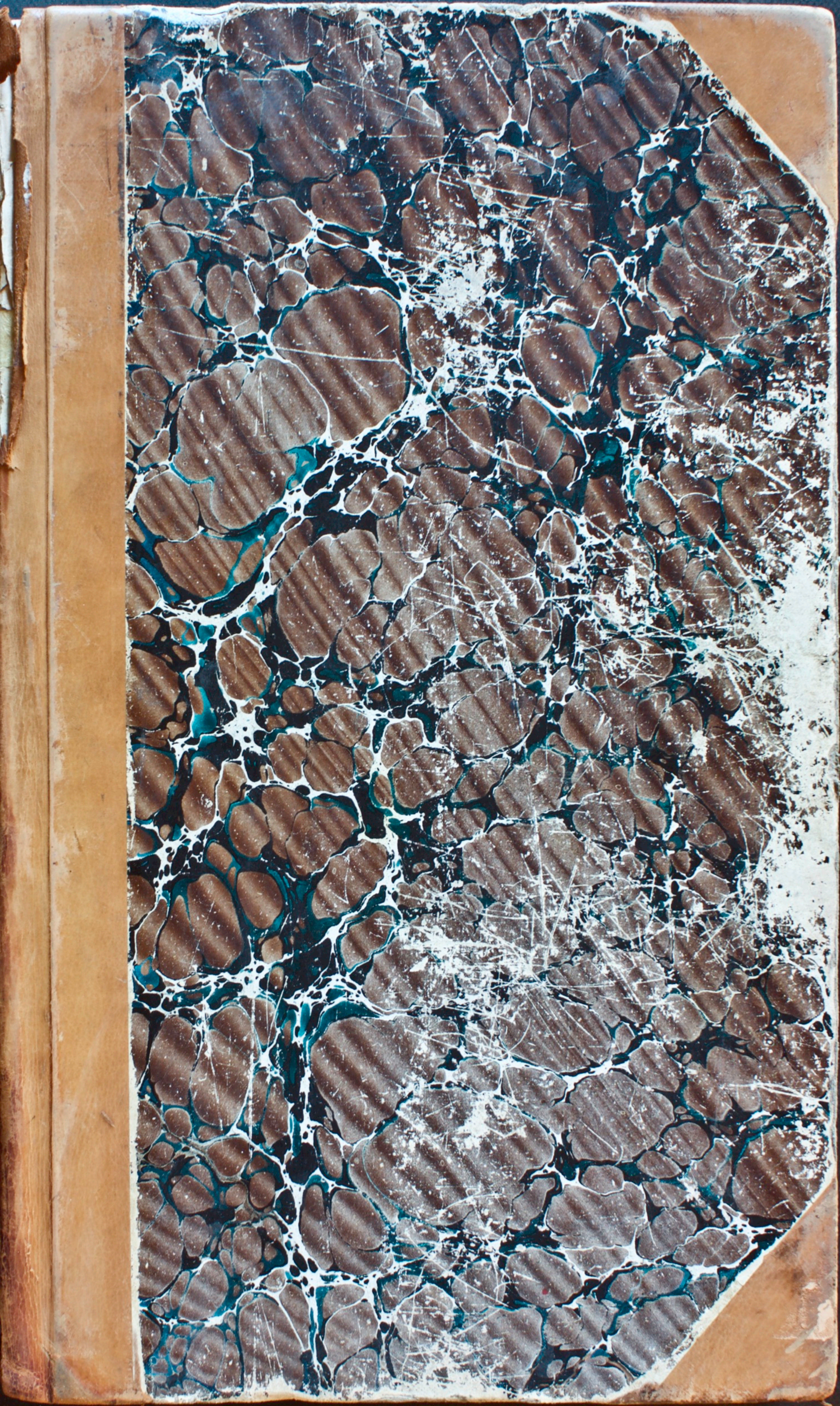
Hugh McKolman
Lieut. U.S.N.

8 p.m. to Mids.

Clear, first part, cloudy but pleasant latter part. Light breeze from E by S. Moon rose about 10.20 At 9.20 flagship signalled (Very Signals) 194. Changed course to WSW 3/4 W. (pse) Ships in position at midnight. Aver. steam 70 aver. revs 46

~~H. Harris~~
Lieut U.S.N.

Examined and found to be correct.

Approved
A. S. Snow, USN
Commander, Comdg

C. K. Lewis
Lewis, Navigator.